API Well Number: 43013530630000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☑

APPLICATION FOR PERMIT TO DRILL

1. WELL NAME and NUMBER
Lake Fork Ranch 4-19B3

2. TYPE OF WORK
DRILL NEW WELL ◉ REENTER P&A WELL ○ DEEPEN WELL ○

3. FIELD OR WILDCAT
ALTAMONT

4. TYPE OF WELL
Oil Well Coalbed Methane Well: NO

5. UNIT or COMMUNITIZATION AGREEMENT NAME

6. NAME OF OPERATOR
EP ENERGY E&P COMPANY, L.P.

7. OPERATOR PHONE
713 997-5038

8. ADDRESS OF OPERATOR
1001 Louisiana, Houston, TX, 77002

9. OPERATOR E-MAIL
maria.gomez@epenergy.com

10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)
1420H621734

11. MINERAL OWNERSHIP
FEDERAL ○ INDIAN ◉ STATE ○ FEE ○

12. SURFACE OWNERSHIP
FEDERAL ○ INDIAN ○ STATE ○ FEE ◉

13. NAME OF SURFACE OWNER (if box 12 = 'fee')
Brent Brotherson, President, Lake Fork Ranch, Inc.

14. SURFACE OWNER PHONE (if box 12 = 'fee')
435-454-3546

15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')
HC 65 Box 510048, Mountain Home, UT 84051

16. SURFACE OWNER E-MAIL (if box 12 = 'fee')

17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')
Ute

18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS
YES ○ (Submit Commingling Application) NO ◉

19. SLANT
VERTICAL ◉ DIRECTIONAL ○ HORIZONTAL ○

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	761 FSL 1110 FEL	SESE	19	2.0 S	3.0 W	U
Top of Uppermost Producing Zone	761 FSL 1110 FEL	SESE	19	2.0 S	3.0 W	U
At Total Depth	761 FSL 1110 FEL	SESE	19	2.0 S	3.0 W	U

21. COUNTY
DUCHESNE

22. DISTANCE TO NEAREST LEASE LINE (Feet)
761

23. NUMBER OF ACRES IN DRILLING UNIT
640

25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)
2100

26. PROPOSED DEPTH
MD: 13300 TVD: 13300

27. ELEVATION - GROUND LEVEL
5988

28. BOND NUMBER
RLB0009692

29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE
Duchesne City

Hole, Casing, and Cement Information

String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
COND	17.5	13.375	0 - 900	54.5	J-55 ST&C	8.8	Class G	1121	1.15	15.8
SURF	12.25	9.625	0 - 5350	40.0	N-80 LT&C	9.7	Type V	646	3.18	11.0
							Class G	483	1.3	14.3
I1	8.75	7	0 - 10350	29.0	HCP-110 LT&C	11.5	Class G	328	1.91	12.5
							Class G	268	1.64	13.0
L1	6.125	5	10150 - 13300	18.0	HCP-110 LT&C	13.8	Class G	187	1.47	14.2

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

- ☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER
- ☑ COMPLETE DRILLING PLAN
- ☑ AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)
- ☐ FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
- ☐ DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)
- ☑ TOPOGRAPHICAL MAP

NAME Maria S. Gomez | **TITLE** Principal Regulatory Analyst | **PHONE** 713 997-5038

SIGNATURE | **DATE** 07/21/2014 | **EMAIL** maria.gomez@epenergy.com

API NUMBER ASSIGNED
43013530630000

APPROVAL

Permit Manager

RECEIVED: December 17, 2014

Lake Fork Ranch 4-19B3
Sec. 19, T2S, R3W
DUCHESNE COUNTY, UT

EP ENERGY E&P COMPANY, L.P.

DRILLING PROGRAM

1. **Estimated Tops of Important Geologic Markers**

Formation	Depth
Green River (GRRV)	5,260' TVD
Green River (GRTN1)	6,169' TVD
Mahogany Bench	7,142' TVD
L. Green River	8,491' TVD
Wasatch	10,300' TVD
T.D. (Permit)	13,300' TVD

2. **Estimated Depths of Anticipated Water, Oil, Gas or Mineral Formations:**

Substance	Formation	Depth
	Green River (GRRV)	5,260' MD/TVD
	Green River (GRTN1)	6,169' MD/TVD
	Mahogany Bench	7,142' MD/TVD
Oil	L. Green River	8,491' MD/TVD
Oil	Wasatch	10,300' MD/TVD

3. **Pressure Control Equipment:** (Schematic Attached)

A 5.0" by 20.0" Diverter Stack on structural pipe from surface to 900' MD/TVD. A 5.0" by 13-3/8" Diverter Stack from 900' MD/TVD to 5,350' MD/TVD on Conductor. A 10M BOP stack w/ rotating head, 10M annular, flex rams, blind rams, mud cross & single w/ flex ram from 5,350' MD/TVD to 10,350' MD/TVD. A 10M BOP stack w/ rotating head, 10M annular, flex rams, blind rams, mud cross & single w/ flex ram from 10,350' MD/TVD to TD (13,300' MD /TVD).

The BOPE and related equipment will meet the requirements of the 5M and 10M system.

OPERATORS MINIMUM SPECIFICATIONS FOR BOPE:

The surface casing will be equipped with a flanged casing head of 5M psi working pressure. An 11" 5M x 11" 10M spool, 11" x 10M psi BOP and 5M psi annular will be nipped up on the surface casing and tested to 250 psi low test / 3,000 psi high test for 10 minutes each prior to drilling out. The surface casing will be tested to 1,000 psi. for 30 mins. Intermediate casing will be tested to the

RECEIVED: July 21, 2014

greater of 1,500 psi or 0.22 psi/ft. The choke manifold equipment, upper Kelly cock and floor safety valves will be tested to 5M psi. The annular preventer will be tested to 250 psi low test / 4,000 psi high test. The 10M BOP will be installed with rotating head, spacer spool, 10M annular, 3-½ x 5" flex rams, blind rams, mud cross, single w/ flex rams, and B section from surface shoe to TD. The BOPE will be hydraulically operated.

In addition, the BOP equipment will be tested after running intermediate casing, after any repairs to the equipment and at least once every 30 days. Pipe and blind rams will be activated on each trip, annular preventer will be activated weekly and weekly BOP drills will be held with each crew.

Statement on Accumulator System and Location of Hydraulic Controls:

Patterson Rig # 307 is expected to be used to drill the proposed well. Operations will commence after approval of this application. Manual and/or hydraulic controls will be in compliance with 5M and 10M psi systems.

Auxiliary Equipment:

A) Pason Gas Monitoring 900' - TD
B) Mud logger with gas monitor – 5,350' to TD
C) Choke manifold with one manual and one hydraulic operated choke
D) Full opening floor valve with drill pipe thread
E) Upper and lower Kelly cock
F) Shaker, de-sander and centrifuge

4. **Proposed Casing & Cementing Program:**

Please refer to the attached Wellbore Diagram.
All casing will meet or exceed the following design safety factors:

- Burst = 1.00
- Collapse = 1.125
- Tension = 1.2 (including 100k# overpull)

Cement design calculations for intermediate and production hole will be based on minimum 10% excess over gauge hole volumes. Actual volumes pumped will be a minimum of 10% excess over caliper volume to designed tops of cement for any section logged. A minimum of 50% excess over gauge volume will be pumped on surface casing.

5. **Drilling Fluids Program:**

Proposed Mud Program:

Interval	Type	Mud Weight
Surface	WBM	8.8 – 9.7
Intermediate	WBM	9.7 – 11.5
Production	WBM	12.0 – 13.8

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Anticipated mud weights are based on actual offset well bottom-hole pressure data. Mud weights utilized may be somewhat higher to allow for trip margin and to provide hole stability for running logs and casing.

Visual mud monitoring equipment will be utilized.

6. **Evaluation Program**:

Logs:
Mud Log: 5,350' MD/TVD – TD
Open Hole Logs: Gamma Ray, Neutron-Density, Resistivity, Sonic, from surface casing shoe to TD.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 13,300' TVD equals approximately 9,544 psi. This is calculated based on a 0.7176 psi/ft gradient (13.8 ppg mud density at TD).

Maximum anticipated surface pressure equals approximately 6,618 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/ft).

Maximum anticipated surface pressure based on frac gradient at 7" casing shoe is 0.8 psi/ft at 10,350' TVD = 8,280 psi

BOPE and casing design will be based on the lesser of the two MASPs which is 6,618 psi.

8. **OPERATOR REQUESTS THAT THE PROPOSED WELL BE PLACED ON CONFIDENTIAL STATUS.**

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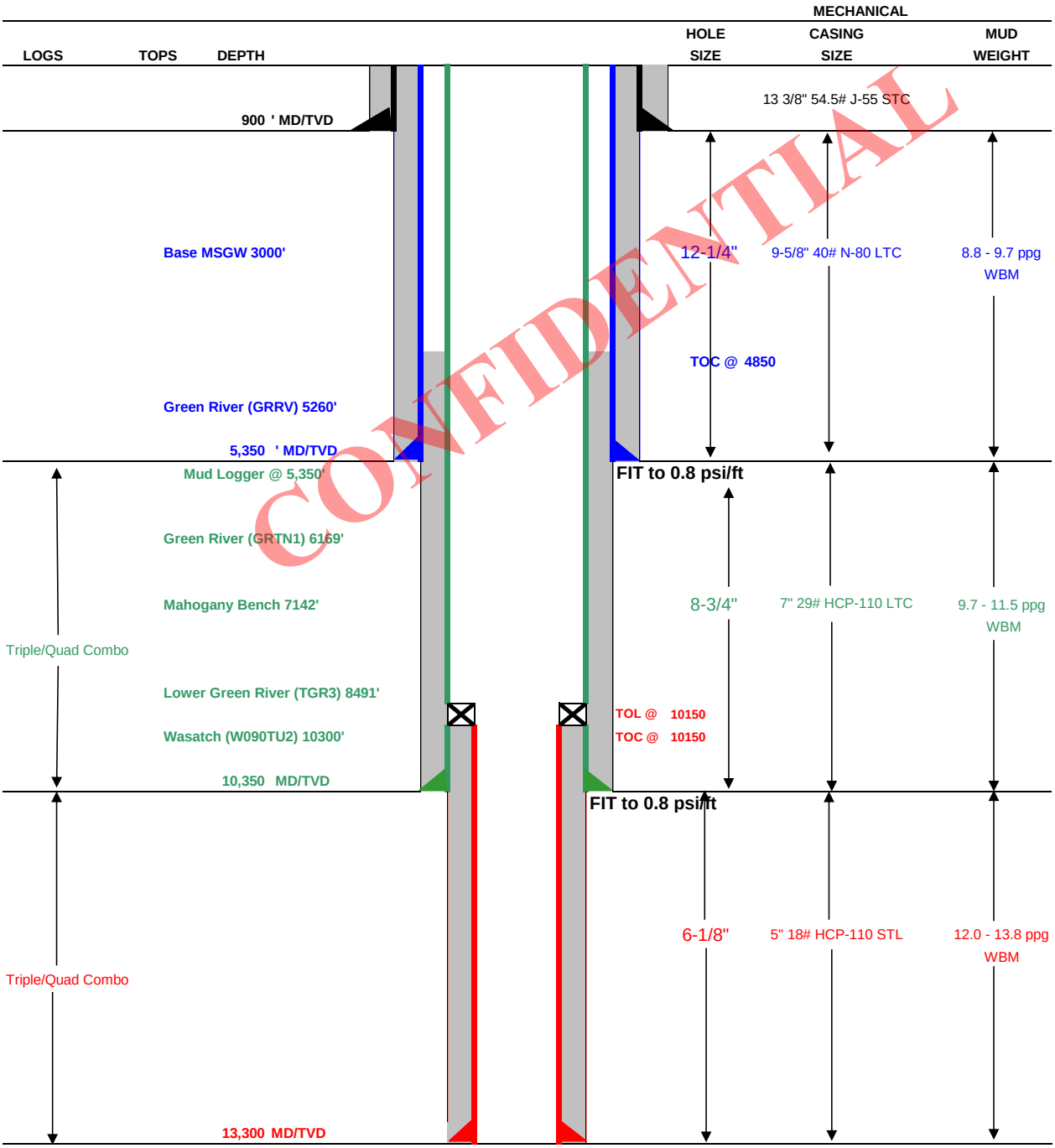
EP ENERGY

Drilling Schematic

Company Name:	EP ENERGY	**Date:**	July 15, 2014
Well Name:	Lake Fork Ranch 4-19B3	**TD:**	13,300
Field, County, State:	Altamont, Duchesne, Utah	**AFE #:**	TBD
Surface Location:	Sec 19 T2S R3W 761' FSL 1110' FEL	**BHL:**	Straight Hole
Objective Zone(s):	Green River, Wasatch	**Elevation:**	5988
Rig:	Patterson 307	**Spud (est.):**	TBD
BOPE Info:	5.0 x 13 3/8 Diverter Sytem w/ rotating head from 900' to 5,350' 11 10M BOP stack w/ rotating head & 10M annular from 5,350' to 10,350' 11 10M BOP stack w/rotating head, 10M annular, flex rams, blind rams, mud cross & single w/ flex ram from 10,350' to TD		



DRILLING PROGRAM

CASING PROGRAM	SIZE	INTERVAL		WT.	GR.	CPLG.	BURST	COLLAPSE	TENSION
CONDUCTOR	13 3/8"	0	900	54.5	J-55	STC	2,740	1,130	514
SURFACE	9-5/8"	0	5350	40.00	N-80	LTC	5,750	3,090	737
INTERMEDIATE	7"	0	10350	29.00	HCP-110	LTC	11,220	9,750	797
PRODUCTION LINER	5"	10150	13300	18.00	HCP-110	STL	13,940	15,450	495

CEMENT PROGRAM		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
CONDUCTOR		900	Class G + 3% CACL2	1121	100%	15.8 ppg	1.15
SURFACE	Lead	4,050	EXTENDACEM SYSTEM: Type V Cement + 5 lbm/sk Silicalite Compacted + 0.25 lbm/sk Kwik Seal + 0.125 lbm/sk Poly-E-Flake + 8% Bentonite + 0.3% D-AIR 5000	646	75%	11.0 ppg	3.18
	Tail	1,300	HALCEM SYSTEM: Class G Cement + 3 lbm/sk Silicalite Compacted + 1% Salt + 0.3% Econolite + 0.25 lbm/sk Poly-E-Flake + 0.25 lbm/sk Kwik Seal + 0.3% D-AIR 5000	483	50%	14.3 ppg	1.30
INTERMEDIATE	Lead	3,300	EXTENDACEM SYSTEM: Class G Cement + 6% Bentonite + 0.2% Econolite + 0.3% Versaset + 0.75% HR-5 + 0.3% Super CBL + 0.2% Halad-322 + 0.125 lb/sk Poly-E-Flake	328	30%	12.5 ppg	1.91
	Tail	2,200	EXPANDACEM SYSTEM: Class G Cement + 4% Bentonite + 0.25 Poly-E-Flake + 0.1% Halad-413 + 5 lb/sk Silicalite Compacted + 0.15% SA-1015 + 0.3% HR-5	268	30%	13.0 ppg	1.64
PRODUCTION LINER		3,150	EXTENDACEM SYSTEM: Class G Cement + 0.2% Super CBL + 0.55% SCR-100 + 0.3% Halad-413 + 0.125 lbm/sk Poly-E-Flake + 3 lbm/sk Silicalite Compacted + 20% SS-200 + 0.10% SA-1015	187	25%	14.20	1.47

FLOAT EQUIPMENT & CENTRALIZERS	
CONDUCTOR	PDC drillable guide shoe, 1 joint, PDC drillable float collar. Thread lock all float equipment. Install bow spring centralizers on the bottom 3 joints of casing.
SURFACE	PDC drillable guide shoe, 1 joint casing, PDC drillable float collar. Thread lock all float equipment. Install bow spring centralizers on the bottom 3 joints of casing & every 3rd joint thereafter.
INTERMEDIATE	PDC drillable 10M,P-110 float shoe, 1 joint, PDC drillable 10M, P-110 float collar. Thread lock all float equipment. Maker joint at 8,400'.
LINER	Float shoe, 1 joint, float collar, 1 joint, 1 landing collar. Thread lock all FE. Maker joints every 1000'.

PROJECT ENGINEER(S): Brad MacAfee 713-997-6383

MANAGER: Bob Dodd

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EP ENERGY

LAKE FORK RANCH 4-19B3
WELL LOCATION: SE/SE SECTION 19, T.2S, R.3W. U.S.B.&M.
DUCHESNE COUNTY, UTAH

PROCEED IN A WESTERLY DIRECTION FROM ALTAMONT, UTAH ALONG HIGHWAY 87 APPROXIMATELY 2.8 MILES TO THE JUNCTION OF THIS ROAD AND 1800 W TO THE SOUTH ; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.8 MILES TO THE JUNCTION OF THIS ROAD AND 3000 N TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 1 MILE TO THE JUNCTION OF THIS ROAD AND AN UNNAMED ROAD TO THE SOUTHEAST; BEAR RIGHT AND PROCEED IN A SOUTHEASTERLY THEN SOUTHWESTERLY THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 3.9 MILES TO THE JUNCTION OF THIS ROAD AND AN UNNAMED ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY THEN NORTHEASTERLY DIRECTION APPROXIMATELY 1.8 MILES TO THE JUNCTION OF THIS ROAD AND THE PROPOSED ACCESS ROAD TO THE EAST; CONTINUE PAST THE EXISTING PAD IN AN EASTERLY DIRECTION APPROXIMATELY 2,363 FEET TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM ALTAMONT, UTAH TO THE PROPOSED LOCATION IS APPROXIMATELY 11 MILES.

OUTLAW ENGINEERING INC.
P.O. BOX 1800
ROOSEVELT, UTAH 84066
(435) 232-4321

RECEIVED: July 21, 2014

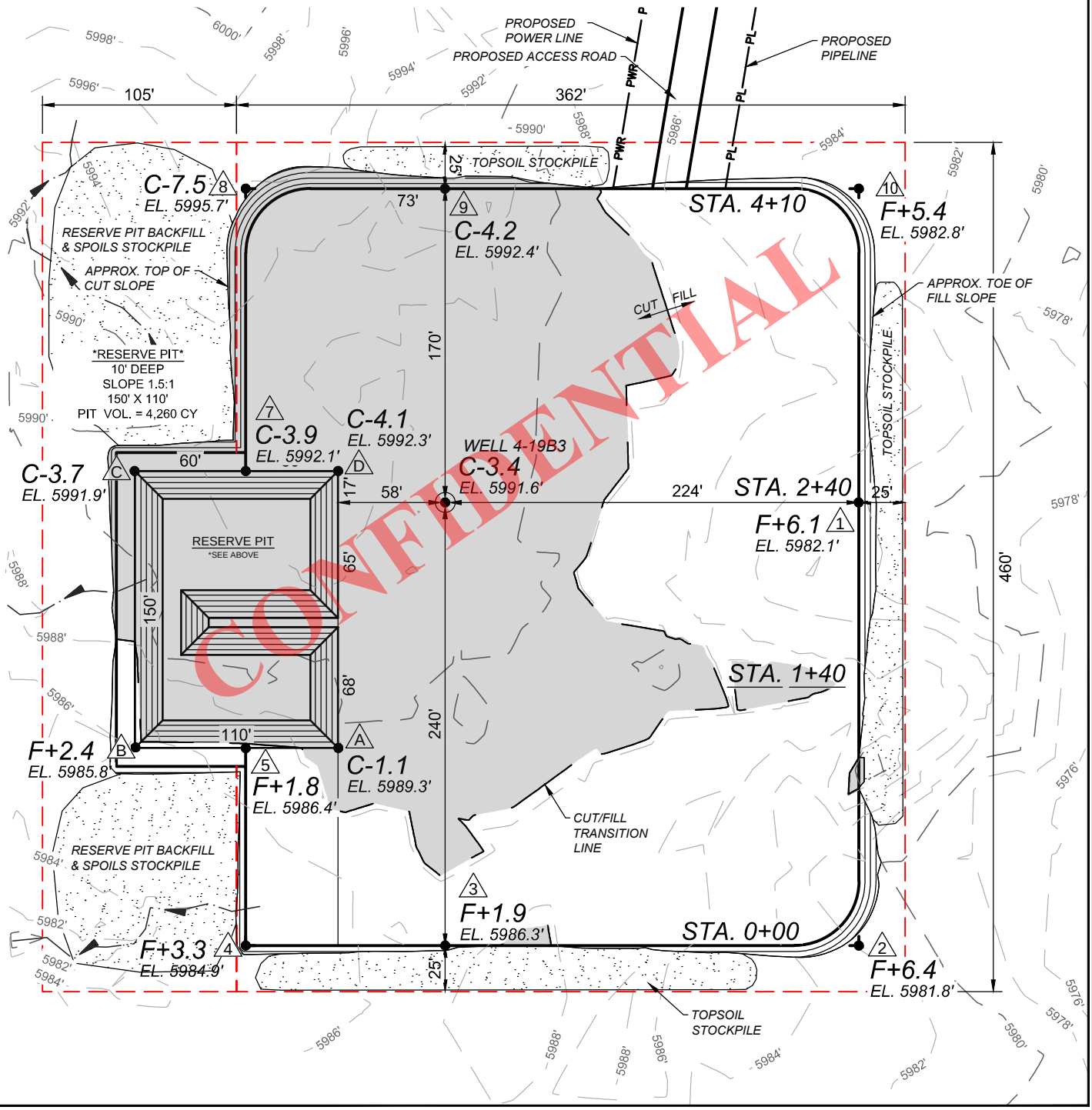
API Well Number: 43013530630000

EP ENERGY

PROPOSED LOCATION LAYOUT

LAKE FORK RANCH 4-19B3

WELL LOCATION: SE/SE SECTION 19, T2S, R3W, U.S.B.&M.
DUCHESNE COUNTY, UTAH



LEGEND

- EXISTING CONTOURS
- PROPOSED CONTOURS
- LIMITS OF DISTURBANCE
- PL — PROPOSED PIPELINE
- PWR — PROPOSED POWER LINE
- 2 — CORNER NUMBER
- F+5.7 — CUT/FILL NUMBER
- EL. 5860.8' — EXISTING GRADE
- PROPOSED WELL LOCATION

SUMMARY

EXISTING GRADE @ CENTER OF WELL= 5991.6'
FINISH GRADE ELEVATION = 5988.2'
CUT SLOPES = 1.5 : 1
FILL SLOPES = 1.5 : 1
TOTAL WELL PAD AREA = 3.38 ACRES
TOTAL WELL PAD DISTURBANCE AREA = 4.93 ACRES

QUANTITIES

GRUB (12")=	NET CUT	5,800 CU YDS
FINISH =	CUT	9,140 CU YDS
	FILL	9,140 CU YDS
	NET CUT	0 CU YDS

PROPOSED LOCATION LAYOUT
LAKE FORK RANCH 4-19B3
WELL LOCATION: SE/SE SECTION 19, T2S, R3W, U.S.B.&M.
DUCHESNE COUNTY, UTAH

EP ENERGY

OUTLAW ENGINEERING INC.
P.O. BOX 1800
ROOSEVELT, UTAH 84066
(435) 232-4321

0 40 80
HORIZONTAL

PAD/PIT GRADING

JUNE 19, 2014
SCALE: 1" = 80'
DESIGN: MA,RFII DRAWN: JMH

SHEET NO. 2

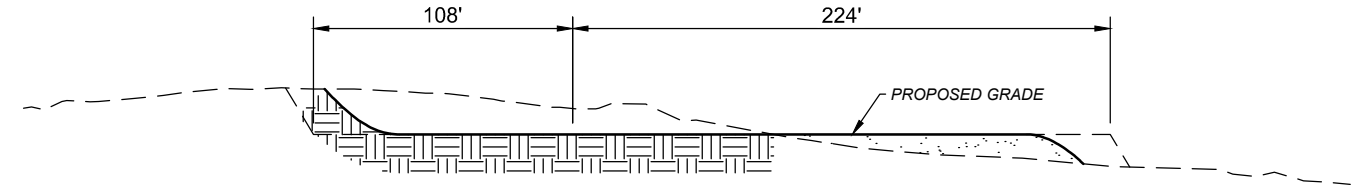
RECEIVED: July 21, 2014

EP ENERGY

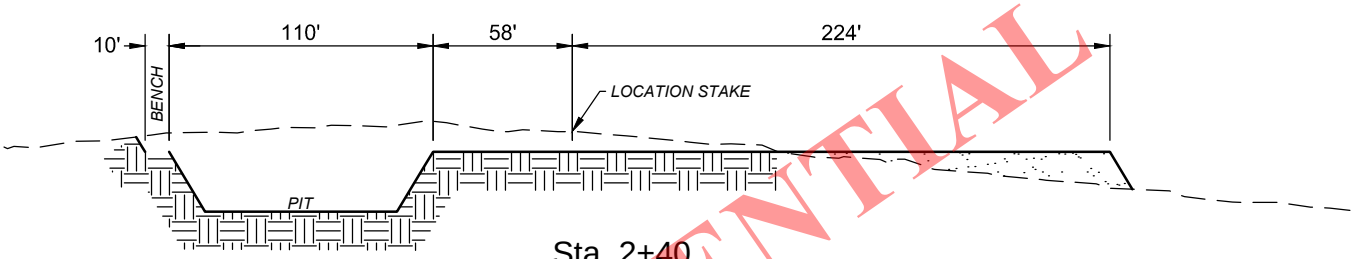
CROSS SECTIONS

LAKE FORK RANCH 4-19B3

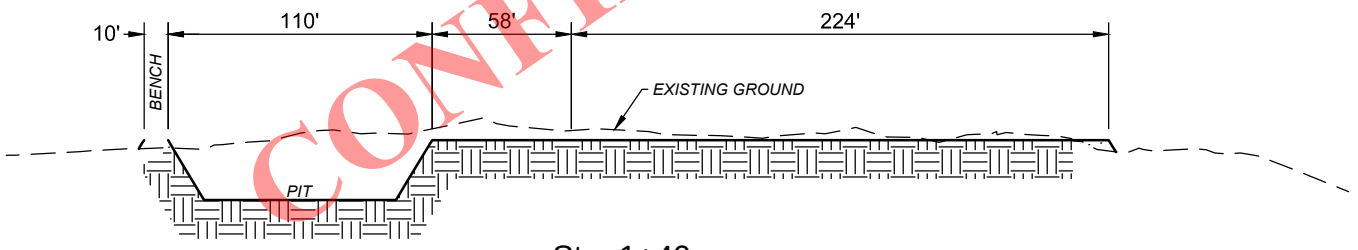
WELL LOCATION: SE/SE SECTION 19, T2S, R3W, U.S.B.&M.
DUCHESNE COUNTY, UTAH



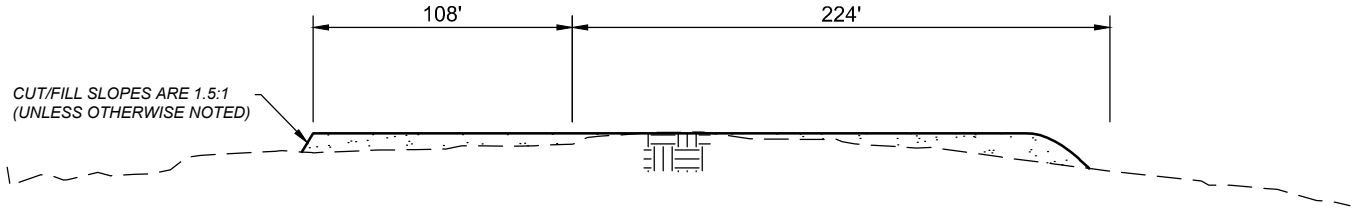
Sta. 4+10



Sta. 2+40



Sta. 1+40



Sta. 0+00

LEGEND

- EXISTING CONTOURS
- PROPOSED CONTOURS

SUMMARY

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CUT SLOPES = 1.5 : 1
FILL SLOPES = 1.5 : 1
TOTAL WELL PAD AREA = 3.38 ACRES
TOTAL WELL PAD DISTURBANCE AREA = 4.93 ACRES

QUANTITIES

GRUB (12")=	NET CUT	5,800 CU YDS
FINISH =	CUT	9,140 CU YDS
	FILL	9,140 CU YDS
	NET CUT	0 CU YDS

OUTLAW ENGINEERING INC.
P.O. BOX 1800
ROOSEVELT, UTAH 84066
(435) 232-4321

0 40 80
HORIZONTAL

CROSS SECTIONS
LAKE FORK RANCH 4-19B3
WELL LOCATION: SE/SE SECTION 19, T2S, R3W, U.S.B.&M.
DUCHESNE COUNTY, UTAH

EP ENERGY

CROSS SECTIONS	JUNE 19, 2014 SCALE: 1" = 80' DESIGN: MA,RFII DRAWN: JMH	SHEET NO. 3

RECEIVED: July 21, 2014

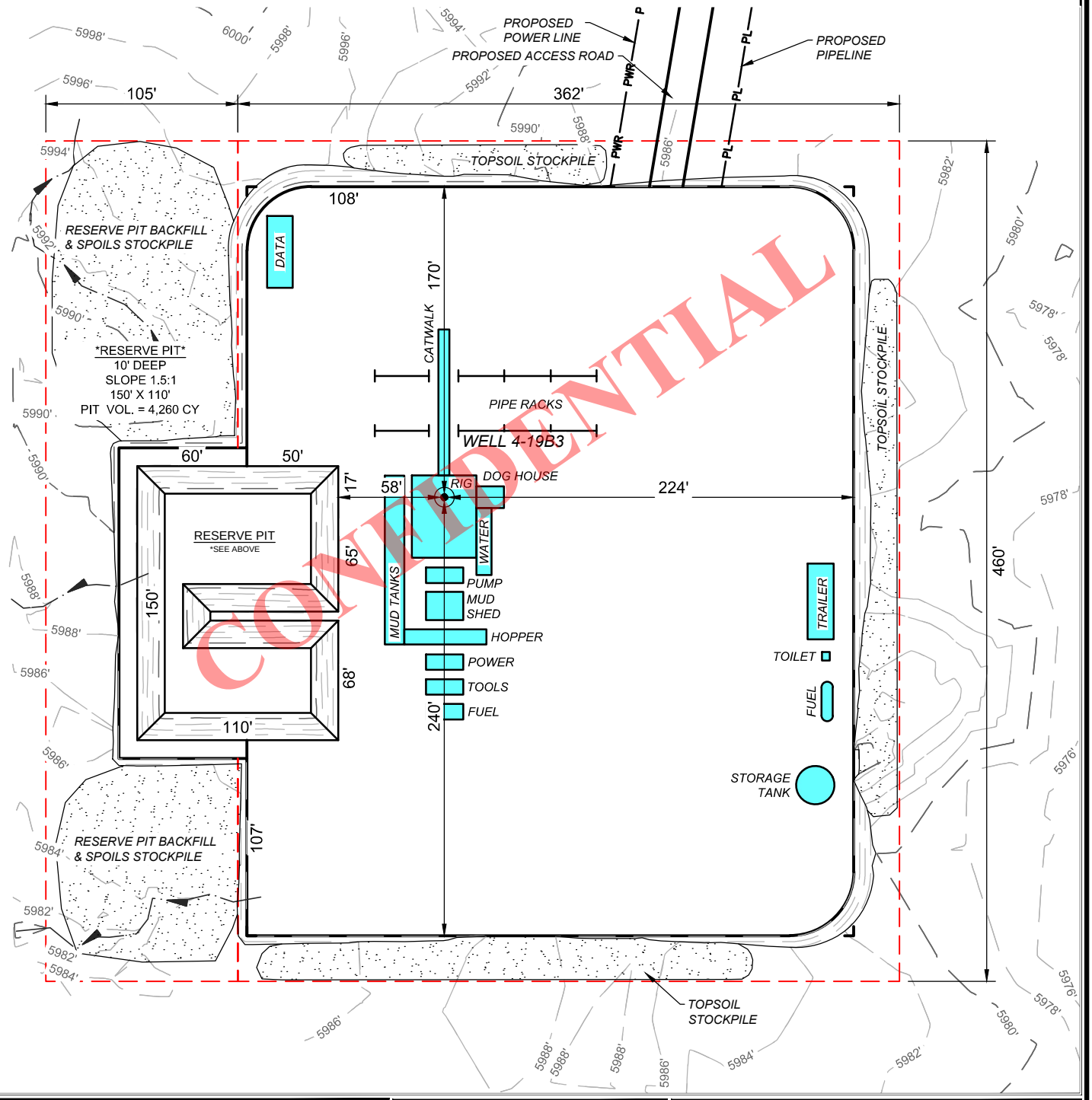
API Well Number: 43013530630000

EP ENERGY

RIG LAYOUT

LAKE FORK RANCH 4-19B3

WELL LOCATION: SE/SE SECTION 19, T2S, R3W, U.S.B.&M.
DUCHESNE COUNTY, UTAH



LEGEND

- EXISTING CONTOURS
- PROPOSED CONTOURS
- LIMITS OF DISTURBANCE
- PL — PROPOSED PIPELINE
- PWR — PROPOSED POWER LINE
- 2 — CORNER NUMBER
- F+5.7 — CUT/FILL NUMBER
- EL. 5860.8' — EXISTING GRADE
- PROPOSED WELL LOCATION

SUMMARY

SEE CROSS SECTION SHEET FOR SUMMARY

RIG LAYOUT
LAKE FORK RANCH 4-19B3
WELL LOCATION: SE/SE SECTION 19, T2S, R3W, U.S.B.&M.
DUCHESNE COUNTY, UTAH

EP ENERGY

OUTLAW ENGINEERING INC.
P.O. BOX 1800
ROOSEVELT, UTAH 84066
(435) 232-4321

0 40 80
HORIZONTAL

RIG LAYOUT

JUNE 19, 2014
SCALE: 1" = 80'
DESIGN: MA,RFII DRAWN: JMH

SHEET NO. 4

RECEIVED: July 21, 2014

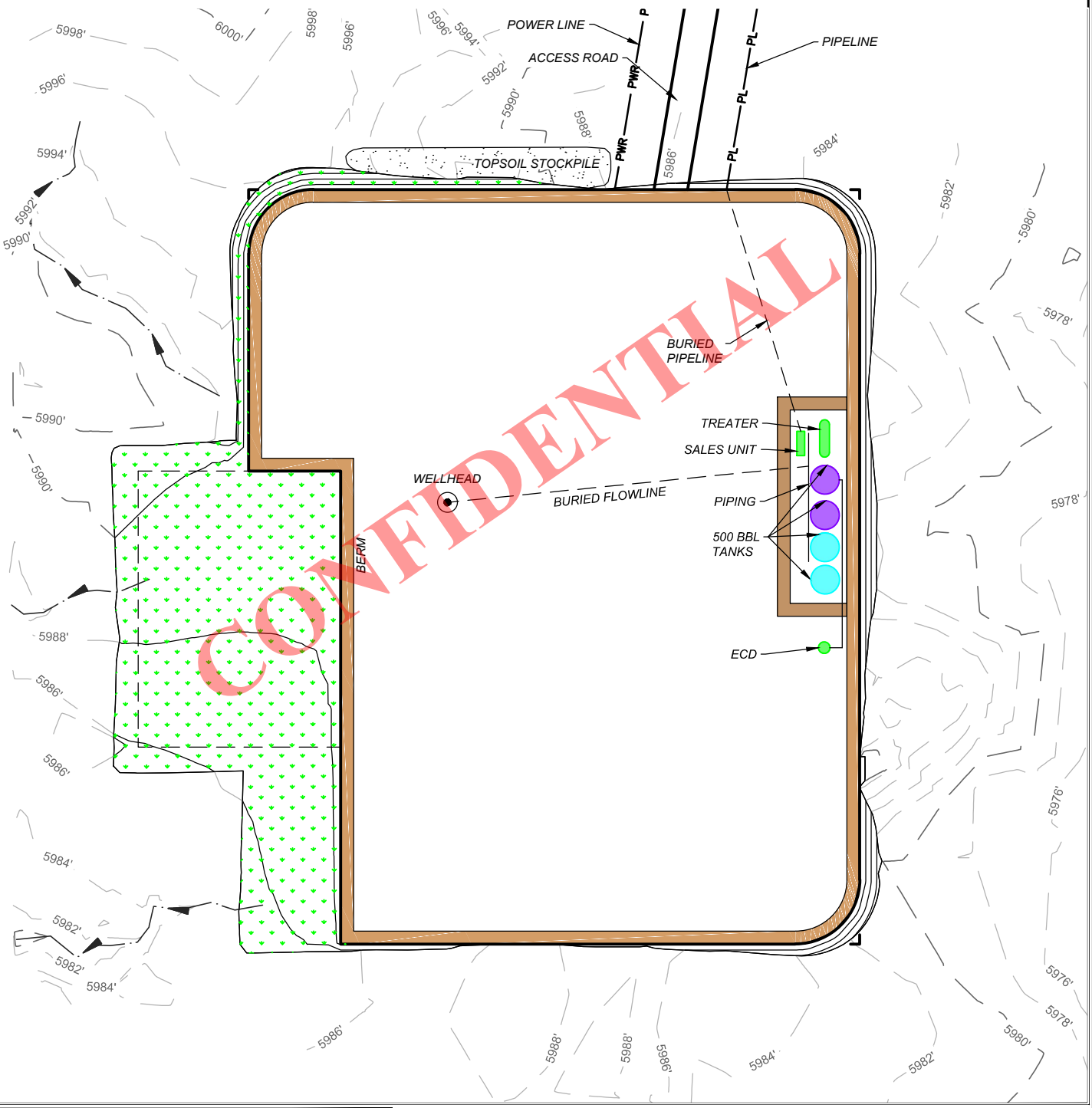
API Well Number: 43013530630000

EP ENERGY

PRODUCTION FACILITY LAYOUT

LAKE FORK RANCH 4-19B3

WELL LOCATION: SE/SE SECTION 19, T2S, R3W, U.S.B.&M.
DUCHESNE COUNTY, UTAH



LEGEND

- EXISTING CONTOURS
- PROPOSED CONTOURS
- LIMITS OF DISTURBANCE
- PL — PROPOSED PIPELINE
- PWR — PROPOSED POWER LINE
- BERM
- 2 — CORNER NUMBER
- F+5.7 — CUT/FILL NUMBER
- EL. 5860.8' — EXISTING GRADE
- PROPOSED WELL LOCATION

SUMMARY

SEE CROSS SECTION SHEET FOR SUMMARY

PRODUCTION FACILITY LAYOUT
LAKE FORK RANCH 4-19B3
WELL LOCATION: SE/SE SECTION 19, T2S, R3W, U.S.B.&M.
DUCHESNE COUNTY, UTAH

EP ENERGY

OUTLAW ENGINEERING INC.
P.O. BOX 1800
ROOSEVELT, UTAH 84066
(435) 232-4321

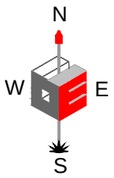
0 40 80
HORIZONTAL

PRODUCTION LAYOUT

JUNE 19, 2014
SCALE: 1" = 80'
DESIGN: MA,RFII DRAWN: JMH

SHEET NO. 5

RECEIVED: July 21, 2014



FOUND STONE
WEST ONE QUARTER
CORNER SECTION 19,
T. 2 S., R. 3 W., U.S.B.& M.

19

BASIS OF BEARING

N00°03'03"W - 2698.84'

LAKE FORK
RANCH INC.

T.P.O.B. 0+00.00
P.I. 0+49.70

L1

L2

BECKSTEAD, RANDON P.
TRUSTEE

P.O.P.L. 8+36.56

PROPOSED
ACCESS ROAD

L3

P.I. 18+40.66

L4

P.O.T. 23+39.09

LAKE FORK
RANCH INC.

L5

L6

PROPOSED
LAKE FORK RANCH
4-19B3

T.P.O.B.

L7

L8

LAKE FORK
RANCH INC.

N51°29'47"E - 2201.80'

N77°33'52"E - 3916.31'

S87° 15' 39"W 5207.42' (CALCULATED)

CALCULATED CORNER
DOUBLE PROPORTION
METHOD (NOT SET)

FOUND ALUM. CAP
SOUTHWEST CORNER
SECTION 19,
T. 2 S., R. 3 W., U.S.B.& M.

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S78° 32' 03"E	49.70'
L2	N87° 31' 45"E	786.86'
L3	N87° 31' 45"E	1004.10'
L4	S55° 16' 28"E	498.43'
L5	N25° 12' 12"E	467.00'
L6	S64° 47' 48"E	460.00'
L7	S25° 12' 12"W	467.00'
L8	N64° 47' 48"W	460.00'

LEGEND

= FOUND SECTION CORNER

= CALCULATED SECTION CORNER

= SECTION LINE

= QUARTER SECTION LINE

= SIXTEENTH SECTION LINE

EP ENERGY

LOCATION SURFACE AREA, AND ACCESS ROAD
CORRIDOR RIGHT-OF-WAY SURVEY ON FEE LANDS FOR
LAKE FORK RANCH 4-19B3

LOCATED IN SECTION 19, TOWNSHIP 2 S., RANGE 3 W., U.S.B.&M.
DUCHESNE COUNTY, UTAH

SURVEYOR'S CERTIFICATE

I, DAN E. KNOWLDEN JR. DO HEREBY CERTIFY THAT I AM A REGISTERED LAND SURVEYOR AND THAT I HOLD CERTIFICATE NO. 7173588 AS PRESCRIBED UNDER THE LAWS OF THE STATE OF UTAH AND THAT A SURVEY OF THE DESCRIBED PROPERTY HEREIN WAS PERFORMED UNDER MY DIRECTION.

PROFESSIONAL LAND SURVEYOR
Dan E.
Knowlden Jr.
6-23-14
7173588
STATE OF UTAH

SURFACE USE AREA DESCRIPTION

COMMENCING AT THE SOUTHWEST CORNER OF SECTION 19, TOWNSHIP 2 SOUTH, RANGE 3 WEST, UINTAH SPECIAL BASE AND MERIDIAN THENCE NORTH 77° 33' 52" EAST 3,916.31 FEET TO THE **TRUE POINT OF BEGINNING**; RUNNING THENCE NORTH 25° 12' 12" EAST 467.00 FEET; THENCE SOUTH 64° 47' 48" EAST 460.00 FEET; THENCE SOUTH 25° 12' 12" WEST 467.00 FEET; THENCE NORTH 64° 47' 48" WEST 460.00 FEET TO THE TRUE POINT OF BEGINNING. THE BASIS OF BEARING FOR THIS DESCRIPTION IS NORTH 00° 03' 03" WEST BETWEEN THE SOUTHWEST CORNER AND THE WEST ONE QUARTER CORNER OF SAID SECTION 19.

SURFACE USE AREA

LAKE FORK RANCH = 4.932 ACRES MORE OR LESS

ACCESS ROAD CORRIDOR RIGHT-OF-WAY DESCRIPTION

LOCATED IN SECTION 19, TOWNSHIP 2 SOUTH, RANGE 3 WEST, UINTAH SPECIAL BASE AND MERIDIAN. RIGHT-OF-WAY CORRIDOR IS 30.00 FEET WIDE 15.00 FEET ON EACH SIDE OF CENTERLINE. SAID CENTERLINE IS MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHWEST CORNER OF SECTION 19, TOWNSHIP 2 SOUTH, RANGE 3 WEST, UINTAH SPECIAL BASE AND MERIDIAN. THENCE NORTH 51° 29' 47" 2201.80 FEET TO THE **TRUE POINT OF BEGINNING**; RUNNING THENCE SOUTH 78° 32' 03" EAST 49.70 FEET; THENCE NORTH 87° 31' 45" EAST 786.86 FEET; NORTH 87° 31' 45" EAST 1004.10 FEET; THENCE SOUTH 55° 16' 28" EAST 498.43 FEET TO THE POINT OF TERMINUS. SAID RIGHT OF WAY BEING 2,339.09 FEET IN LENGTH, THE SIDE LINES OF WHICH BEING SHORTENED OR ELONGATED TO MEET THE RIGHT-OF-WAY BOUNDARY AND SURFACE USE AREA BOUNDARY. THE BASIS OF BEARING FOR THIS DESCRIPTION IS NORTH 00° 03' 03" WEST BETWEEN THE SOUTHWEST CORNER AND THE WEST ONE QUARTER CORNER OF SAID SECTION 19.

CONTAINING 1.611 ACRES MORE OR LESS

RIGHT-OF-WAY LENGTH

LAKE FORK RANCH = 1,502.53 FEET OR 22.76 RODS
RANDON P. BECKSTEAD TRUSTEE = 836.56 FEET OR 12.68 RODS

SCALE: 1" = 400'
11X17 SHEET

REVIEWED: DEK | DRAWN: JMH

SHEET
RIGHT-OF-WAY PLAT

EP ENERGY

OUTLAW ENGINEERING INC.
P.O. BOX 1800
ROOSEVELT, UTAH 84066
(435) 232-4321

DATE
JUNE 19, 2014

SHEET NO.
1 OF 1

FOUND STONE
WEST ONE QUARTER
CORNER SECTION 19,
T. 2 S., R. 3 W., U.S.B.& M.

19

BASIS OF BEARING

N00°03'03"W - 2698.84'

LAKE FORK
RANCH INC.

T.P.O.B. 0+00.00

P.I. 3+57.49

L1

L2

P.O.P.L. 11+46.88

L3

PROPOSED
POWERLINE

P.I. 21+42.02

L4

P.O.T. 26+35.39

PROPOSED
LAKE FORK RANCH
4-19B3

BECKSTEAD, RANDON P.
TRUSTEE

LAKE FORK
RANCH INC.

LAKE FORK
RANCH INC.

N46°01'24"E - 1964.15'

S87° 15' 39"W 5207.42' (CALCULATED)

CALCULATED CORNER
DOUBLE PROPORTION
METHOD (NOT SET)

FOUND ALUM. CAP
SOUTHWEST CORNER
SECTION 19,
T. 2 S., R. 3 W., U.S.B.& M.

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S84° 41' 23"E	357.49'
L2	N87° 31' 45"E	789.39'
L3	N87° 31' 45"E	995.14'
L4	S55° 16' 28"E	493.37'

LEGEND

= FOUND SECTION CORNER

= CALCULATED SECTION CORNER

= SECTION LINE

= QUARTER SECTION LINE

= SIXTEENTH SECTION LINE

EP ENERGY

POWERLINE CORRIDOR RIGHT-OF-WAY SURVEY ON
TRIBAL LANDS FOR
LAKE FORK RANCH 4-19B3

LOCATED IN SECTION 19, TOWNSHIP 2 S., RANGE 3 W., U.S.B.&M.
DUCHESNE COUNTY, UTAH

SURVEYOR'S CERTIFICATE

I, DAN E. KNOWLDEN JR. DO HEREBY CERTIFY THAT I AM A REGISTERED LAND SURVEYOR AND THAT I HOLD CERTIFICATE NO. 7173588 AS PRESCRIBED UNDER THE LAWS OF THE STATE OF UTAH AND THAT A SURVEY OF THE DESCRIBED PROPERTY HEREIN WAS PERFORMED UNDER MY DIRECTION.

POWERLINE CORRIDOR RIGHT-OF-WAY DESCRIPTION

LOCATED IN SECTION 19, TOWNSHIP 2 SOUTH, RANGE 3 WEST, UINTAH SPECIAL BASE AND MERIDIAN. RIGHT-OF-WAY CORRIDOR IS 30.00 FEET WIDE 15.00 FEET ON EACH SIDE OF CENTERLINE. SAID CENTERLINE IS MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHWEST CORNER OF SECTION 19, TOWNSHIP 2 SOUTH, RANGE 3 WEST, UINTAH SPECIAL BASE AND MERIDIAN. THENCE NORTH 46° 01' 24" EAST 1,964.15 FEET TO THE **TRUE POINT OF BEGINNING**; RUNNING THENCE SOUTH 84° 41' 23" EAST 357.49 FEET; THENCE NORTH 87° 31' 45" EAST 789.39 FEET; THENCE NORTH 87° 31' 45" EAST 995.14 FEET; THENCE SOUTH 55° 16' 28" EAST 493.37' TO THE POINT OF TERMINUS. SAID RIGHT OF WAY BEING 2,635.39 FEET IN LENGTH, THE SIDE LINES OF WHICH BEING SHORTENED OR ELONGATED TO MEET THE RIGHT-OF-WAY BOUNDARY AND SURFACE USE AREA BOUNDARY. THE BASIS OF BEARING FOR THIS DESCRIPTION IS NORTH 00° 03' 03" WEST BETWEEN THE SOUTHWEST CORNER AND THE WEST ONE QUARTER CORNER OF SAID SECTION 19.

CONTAINING 1.815 ACRES MORE OR LESS

RIGHT-OF-WAY LENGTH

LAKE FORK RANCH = 1,488.51 FEET OR 22.55 RODS
RANDON P. BECKSTEAD TRUSTEE = 1,146.88 FEET OR 17.38 RODS

SCALE: 1" = 400'
11X17 SHEET

REVIEWED: DEK | DRAWN: JMH

SHEET
RIGHT-OF-WAY PLAT

EP ENERGY

OUTLAW ENGINEERING INC.
P.O. BOX 1800
ROOSEVELT, UTAH 84066
(435) 232-4321

DATE
JUNE 19, 2014

SHEET NO.
1 OF 1

FOUND STONE
WEST ONE QUARTER
CORNER SECTION 19,
T. 2 S., R. 3 W., U.S.B.& M.

19

BASIS OF BEARING

LAKE FORK
RANCH INC.

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N55° 15' 35"W	504.05'
L2	S87° 30' 56"W	1012.65'
L3	S87° 30' 56"W	756.45'
L4	N22° 12' 32"W	37.22'
L5	N22° 12' 32"W	11.39'

N00°03'03"W - 2698.84'

P.O.T. 23+21.76

L5 L4 L3 L2

P.I. 5+04.05

L1

P.O.P.L. 23+10.37
P.I. 22+73.15

P.O.P.L. 15+16.70

T.P.O.B. 0+00.00

PROPOSED
PIPE LINE

BECKSTEAD, RANDON P.
TRUSTEE

LAKE FORK
RANCH INC.

PROPOSED
LAKE FORK RANCH
4-19B3

LAKE FORK
RANCH INC.

N73°28'43"E - 4155.19'

S87° 15' 39"W 5207.42' (CALCULATED)

FOUND ALUM. CAP
SOUTHWEST CORNER
SECTION 19,
T. 2 S., R. 3 W., U.S.B.& M.

CALCULATED CORNER
DOUBLE PROPORTION
METHOD

LEGEND

= FOUND SECTION CORNER

= CALCULATED SECTION CORNER

= SECTION LINE

= QUARTER SECTION LINE

= SIXTEENTH SECTION LINE

EP ENERGY

PIPELINE CORRIDOR RIGHT-OF-WAY SURVEY ON FEE LANDS FOR
LAKE FORK RANCH 4-19B3

LOCATED IN SECTION 19, TOWNSHIP 2 S., RANGE 3 W., U.S.B.&M.
DUCHESNE COUNTY, UTAH

SURVEYOR'S CERTIFICATE

I, DAN E. KNOWLDEN JR. DO HEREBY CERTIFY THAT I AM A REGISTERED LAND SURVEYOR AND THAT I HOLD CERTIFICATE NO. 7173588 AS PRESCRIBED UNDER THE LAWS OF THE STATE OF UTAH AND THAT A SURVEY OF THE DESCRIBED PROPERTY HEREIN WAS PERFORMED UNDER MY DIRECTION.

PIPELINE CORRIDOR RIGHT-OF-WAY DESCRIPTION

LOCATED IN SECTION 19, TOWNSHIP 2 SOUTH, RANGE 3 WEST, UINTAH SPECIAL BASE AND MERIDIAN. RIGHT-OF-WAY CORRIDOR IS 30.00 FEET WIDE 15.00 FEET ON EACH SIDE OF CENTERLINE. SAID CENTERLINE IS MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHWEST CORNER OF SECTION 19, TOWNSHIP 2 SOUTH, RANGE 3 WEST, UINTAH SPECIAL BASE AND MERIDIAN. THENCE NORTH 73° 28' 34" EAST 4,155.19 FEET TO THE **TRUE POINT OF BEGINNING**; RUNNING THENCE NORTH 55° 15' 35" WEST 504.05 FEET; THENCE SOUTH 87° 30' 56" WEST 1012.65 FEET; THENCE SOUTH 87° 30' 56" WEST 756.45 FEET; THENCE NORTH 22° 12' 32" WEST 37.22 FEET; THENCE NORTH 22° 12' 32" WEST 11.39 FEET TO THE POINT OF TERMINUS. SAID RIGHT OF WAY BEING 2,321.76 FEET IN LENGTH, THE SIDE LINES OF WHICH BEING SHORTENED OR ELONGATED TO MEET THE RIGHT-OF-WAY BOUNDARY AND SURFACE USE AREA BOUNDARY. THE BASIS OF BEARING FOR THIS DESCRIPTION IS NORTH 00° 03' 03" WEST BETWEEN THE SOUTHWEST CORNER AND THE WEST ONE QUARTER CORNER OF SAID SECTION 19.

CONTAINING 1.599 ACRES MORE OR LESS

RIGHT-OF-WAY LENGTH

LAKE FORK RANCH = 1,528.09 FEET OR 23.15 RODS
RANDON P. BECKSTEAD TRUSTEE = 793.67 FEET OR 12.03 RODS

SCALE: 1" = 400'
11X17 SHEET

REVIEWED: DEK | DRAWN: JMH

SHEET
RIGHT-OF-WAY PLAT

EP ENERGY

OUTLAW ENGINEERING INC.
P.O. BOX 1800
ROOSEVELT, UTAH 84066
(435) 232-4321

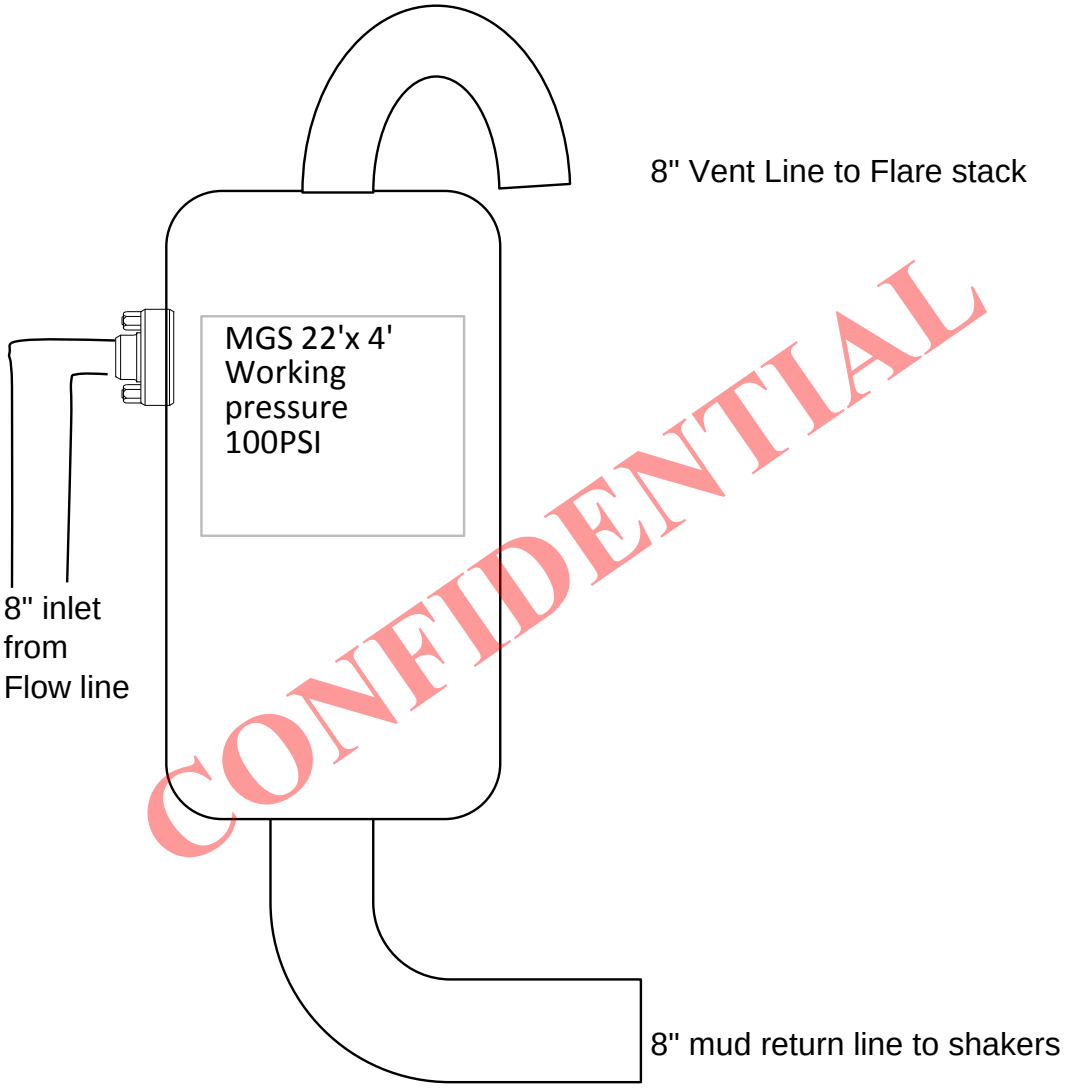
DATE
JUNE 19, 2014

SHEET NO.
1 OF 1

RECEIVED: July 21, 2014

EP ENERGY

Mud Gas Seperator

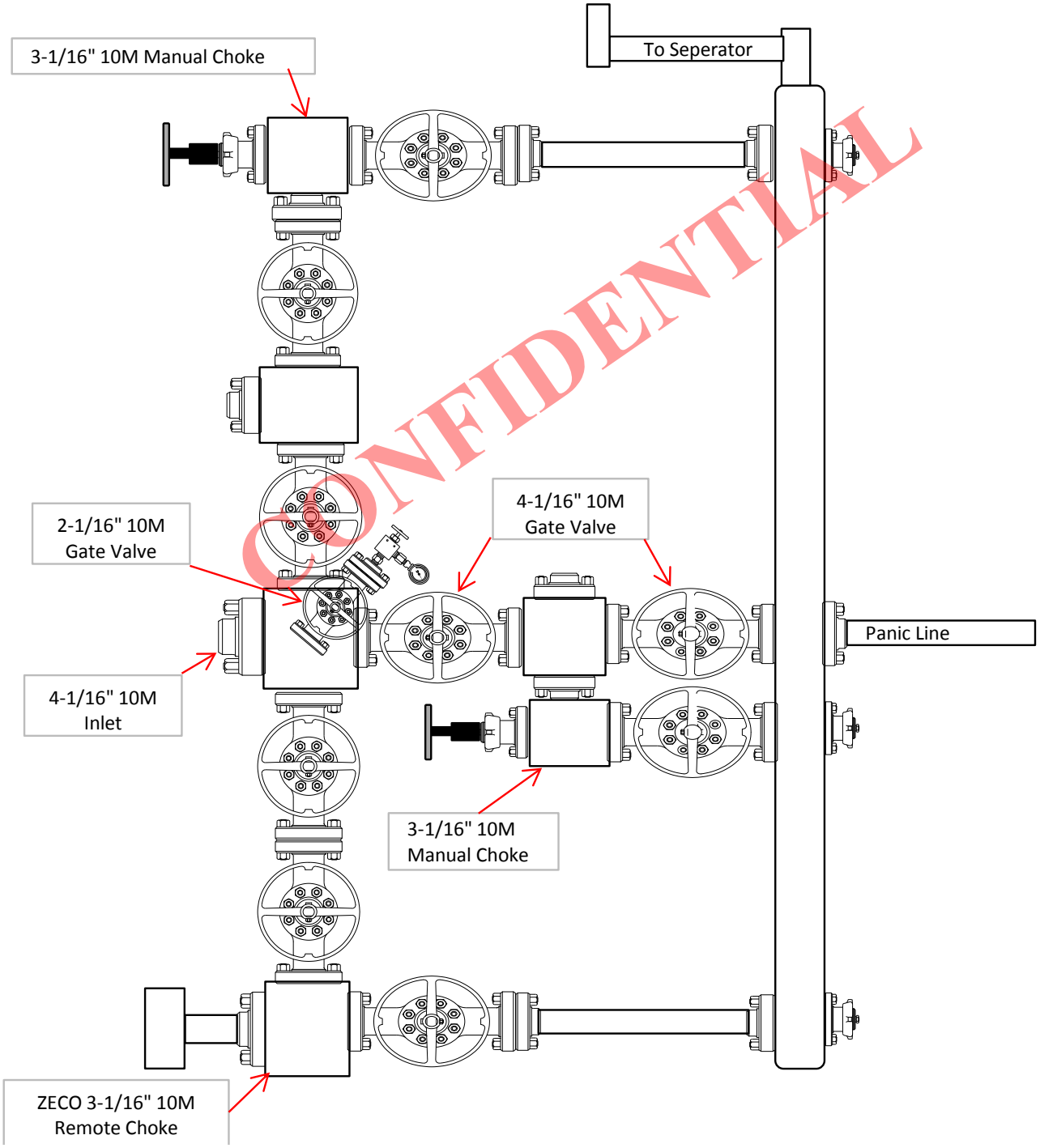


RECEIVED: July 21, 2014

EP ENERGY

10M Choke Monifold Configuration

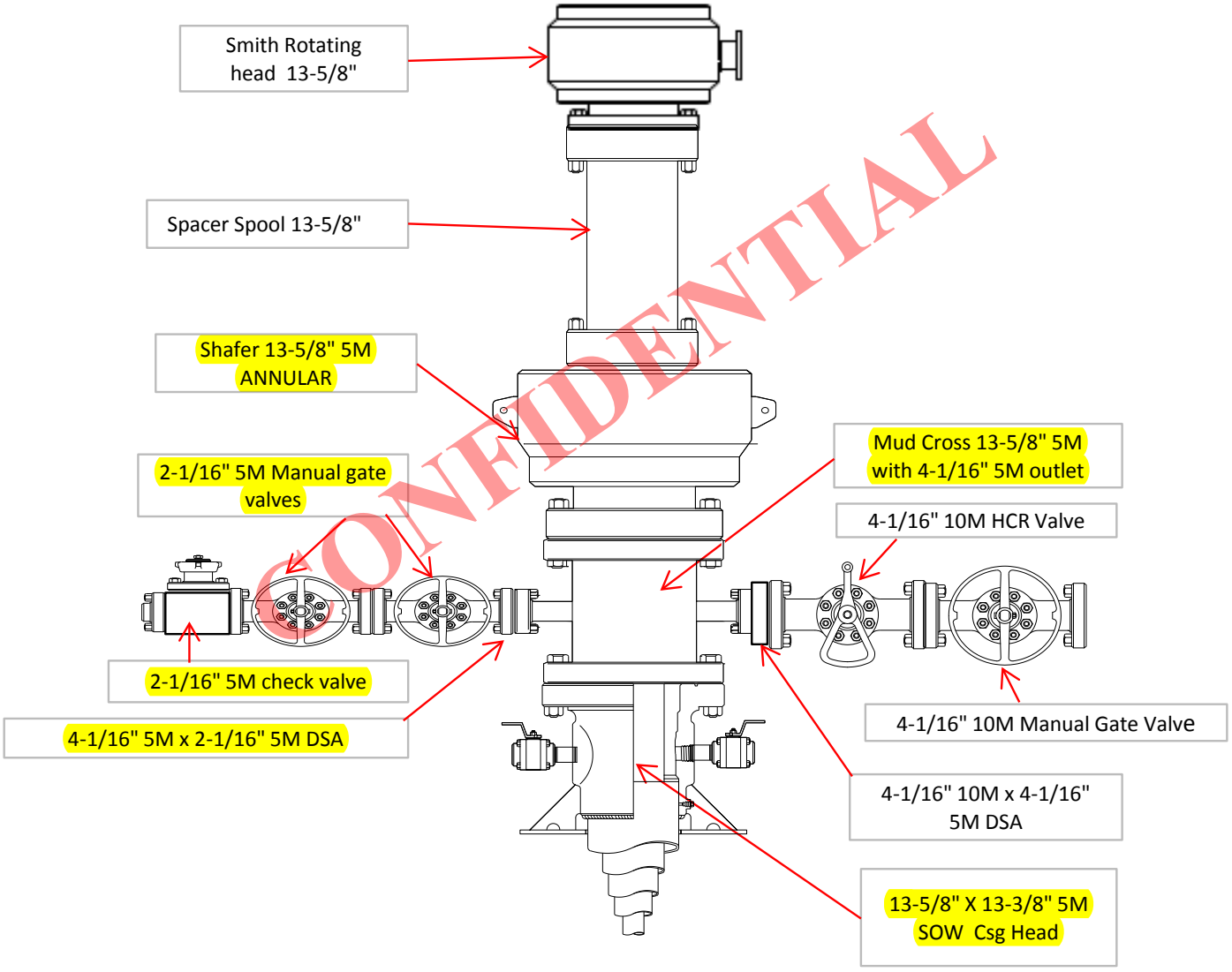
All valves on the Choke Manifold are 3-1/16" 10M except for those that are identified below.



RECEIVED: July 21, 2014

EP ENERGY

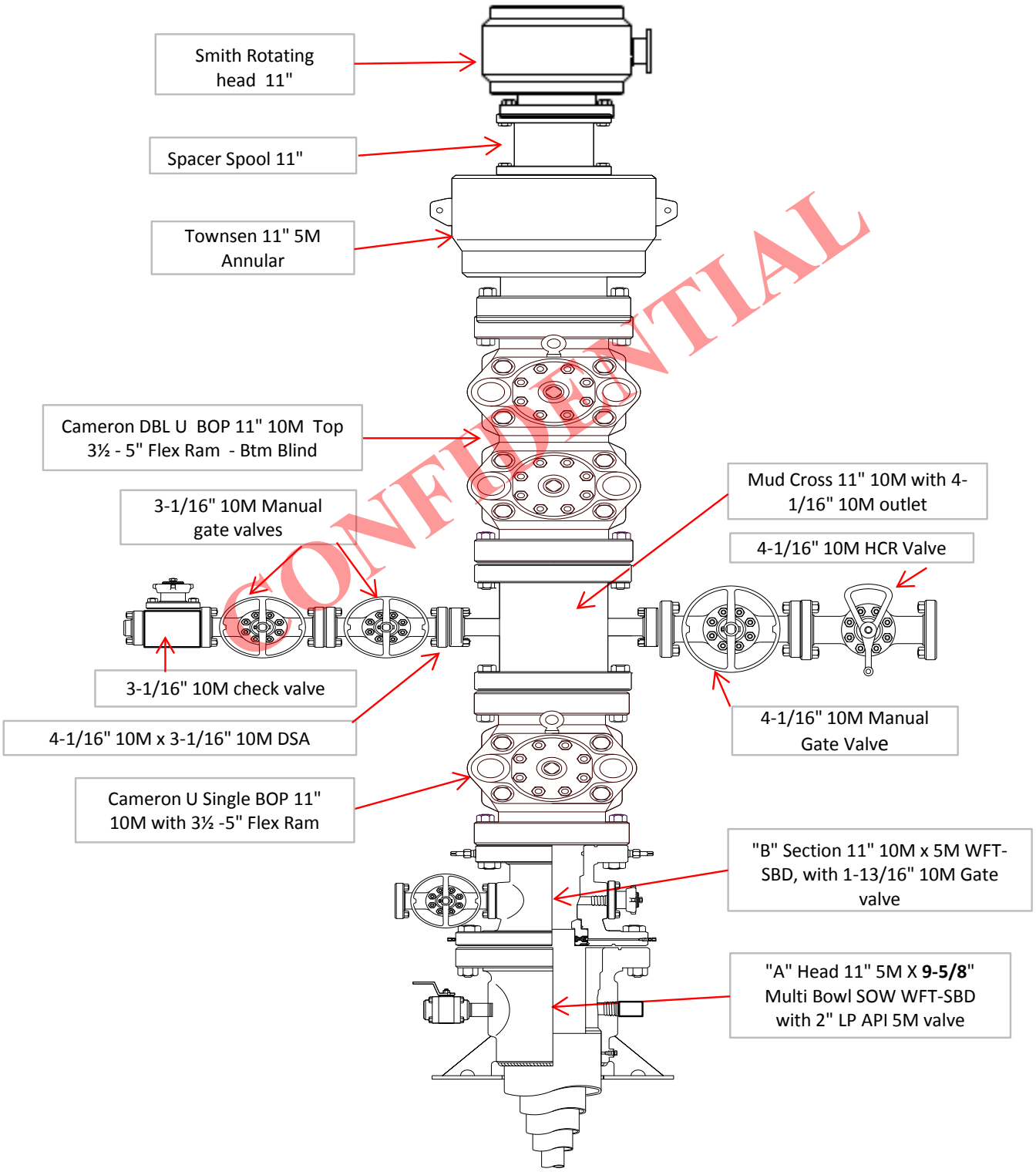
Surface 13-5/8" 3M Diverter Configuration



RECEIVED: July 21, 2014

EP ENERGY

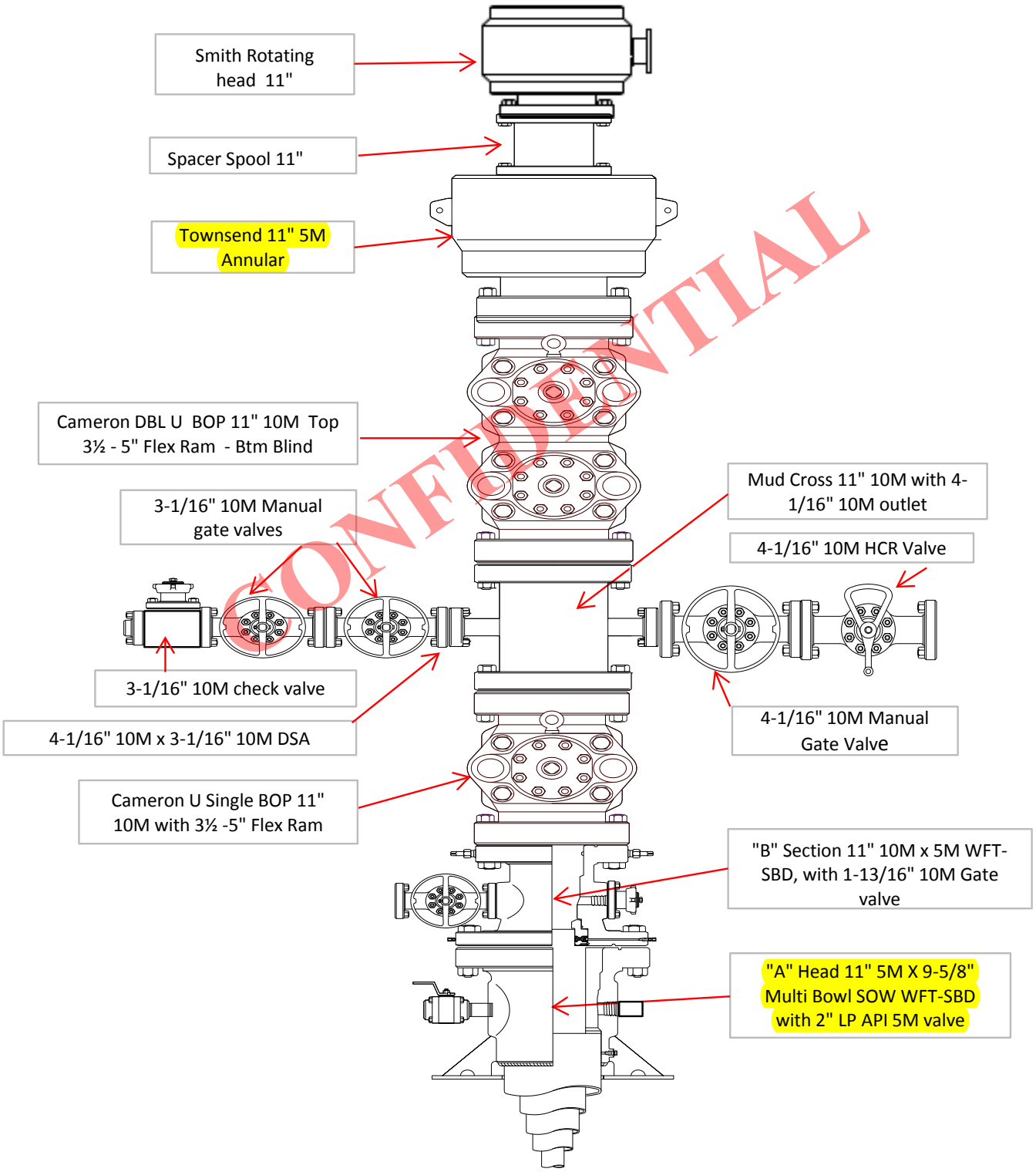
Intermediate 11" 5M BOP Configuration



RECEIVED: July 21, 2014

EP ENERGY

Production 11" 10M BOP Configuration



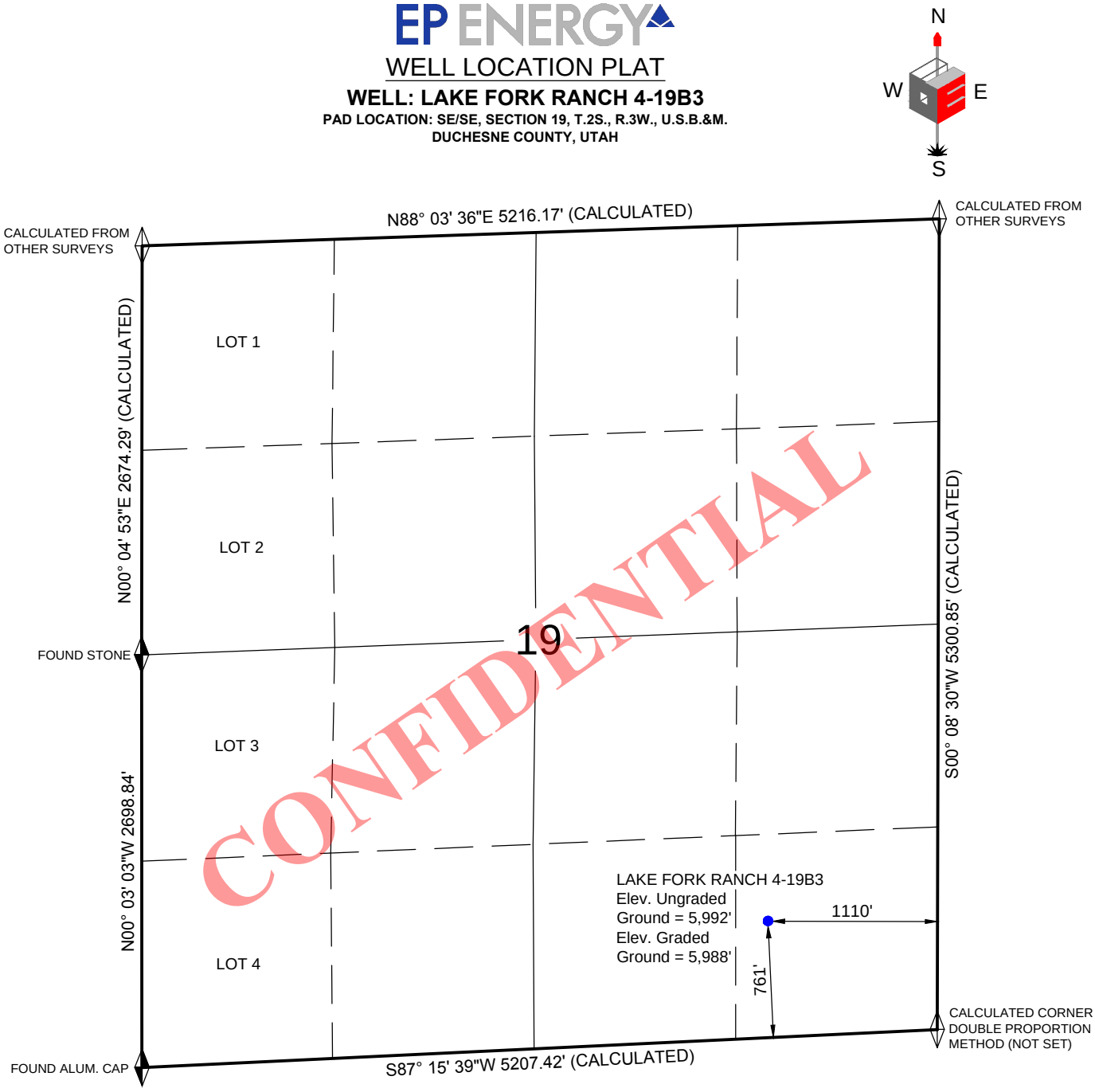
RECEIVED: July 21, 2014

EP ENERGY

WELL LOCATION PLAT

WELL: LAKE FORK RANCH 4-19B3

PAD LOCATION: SE/SE, SECTION 19, T.2S., R.3W., U.S.B.&M.
DUCHESNE COUNTY, UTAH



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM THE FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION, AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 7173588
STATE OF UTAH

PROFESSIONAL LAND SURVEYOR
Dan E. Knowlden Jr.
6-23-14
7173588
STATE OF UTAH

LEGEND

= FOUND SECTION CORNER
= CALC'D SECTION CORNER
= PROPOSED WELL HEAD

NOTES:

1. WELL FOOTAGES ARE MEASURED AT RIGHT ANGLES TO THE SECTION LINE.
2. ALL BEARINGS AND DISTANCES ARE MEASURED UNLESS OTHERWISE NOTED.
3. BEARINGS ARE DERIVED FROM G.P.S. OBSERVATIONS AND EQUIPMENT.
4. THE GENERAL LAND OFFICE G.L.O. PLAT WAS USED FOR REFERENCE

BASIS OF ELEVATION

SPOT ELEVATION AT THE SOUTHWEST CORNER OF SECTION 19, T2S, R3W, U.S.B.&M. NAVD 88 DATUM USING THE UTAH REFERENCE NETWORK SYSTEM. SAID ELEVATION IS 6125.73 FEET.

OUTLAW ENGINEERING INC.
P.O. BOX 1800
ROOSEVELT, UTAH 84066
(435) 232-4321

EP ENERGY

WELL LOCATION PLAT
WELL: LAKE FORK RANCH 4-19B3
PAD LOCATION: SE/SE SECTION 19,
T. 2 S., R. 3 W., U.S.B.&M.
DUCHESNE COUNTY, UTAH

NAD 83 SURFACE LOCATION
LATITUDE = 40.288953
LONGITUDE = 110.260447
NAD 27 SURFACE LOCATION
LATITUDE = 40.288994
LONGITUDE = 110.259739

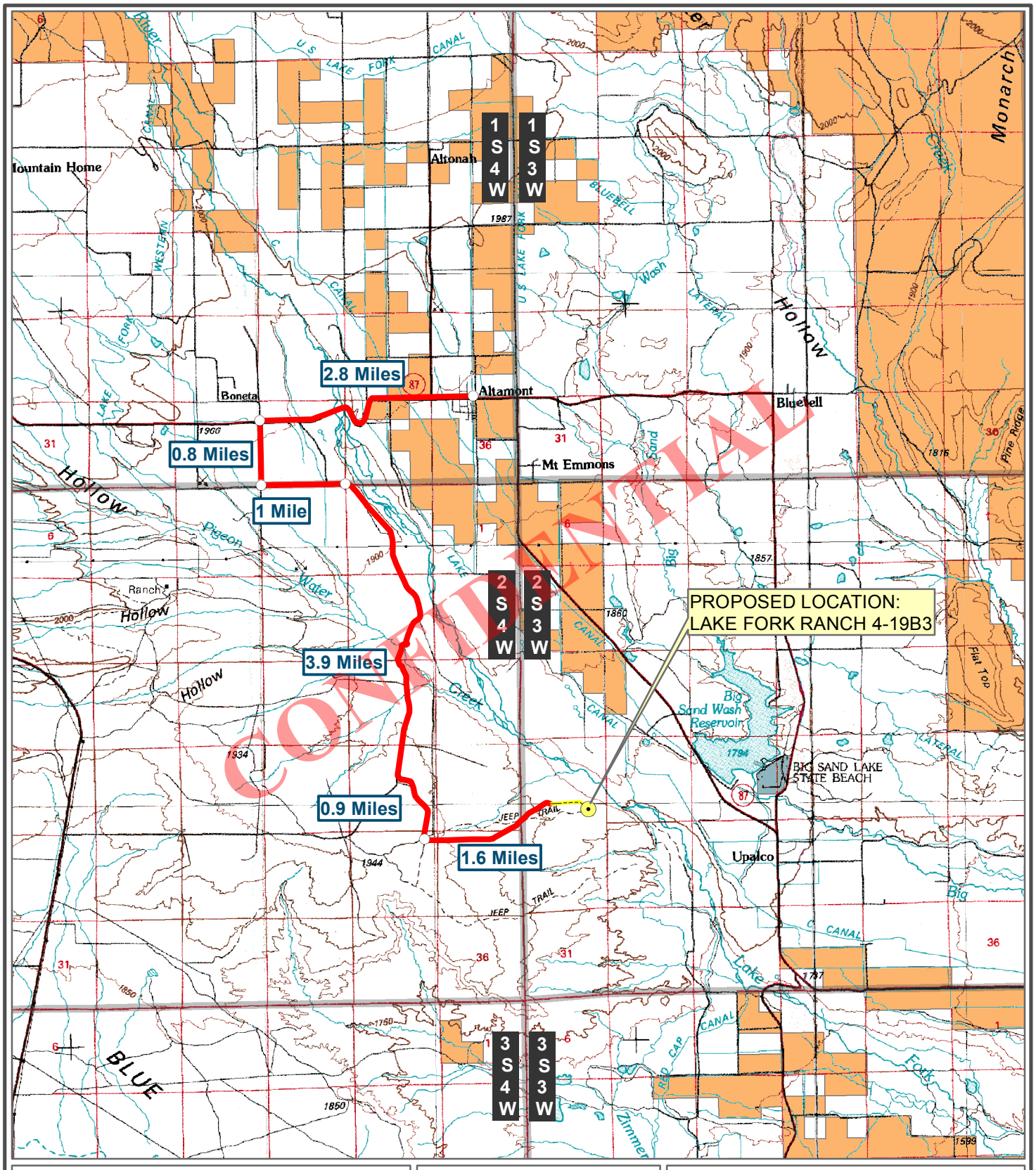
0 500 1000
HORIZONTAL

WELL PLAT

DATE SURVEYED: JUNE 17, 2014
SURVEYED BY: DK/CW
DRAWN: JUNE 18, 2014
DRAWN: DEK
SCALE: 1" = 1000'

SHEET NO. 1

RECEIVED: July 21, 2014



OUTLAW ENGINEERING INC.
P.O. BOX 1800
ROOSEVELT, UTAH 84066
(435) 232-4321

PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY OUTLAW ENGINEERING, INC. AND MAY NOT REFLECT ACTUAL LOCATION OF PROPERTY LINES.

Site Location

0 2,000 4,000 6,000 8,000 Feet

VERSION:	V1
SURVEYED:	6-18-14

LEGEND

- Lake Fork Ranch 4-19B3 Site Location
- Proposed Access Road
- Existing Access Road

Federal Private State Tribal

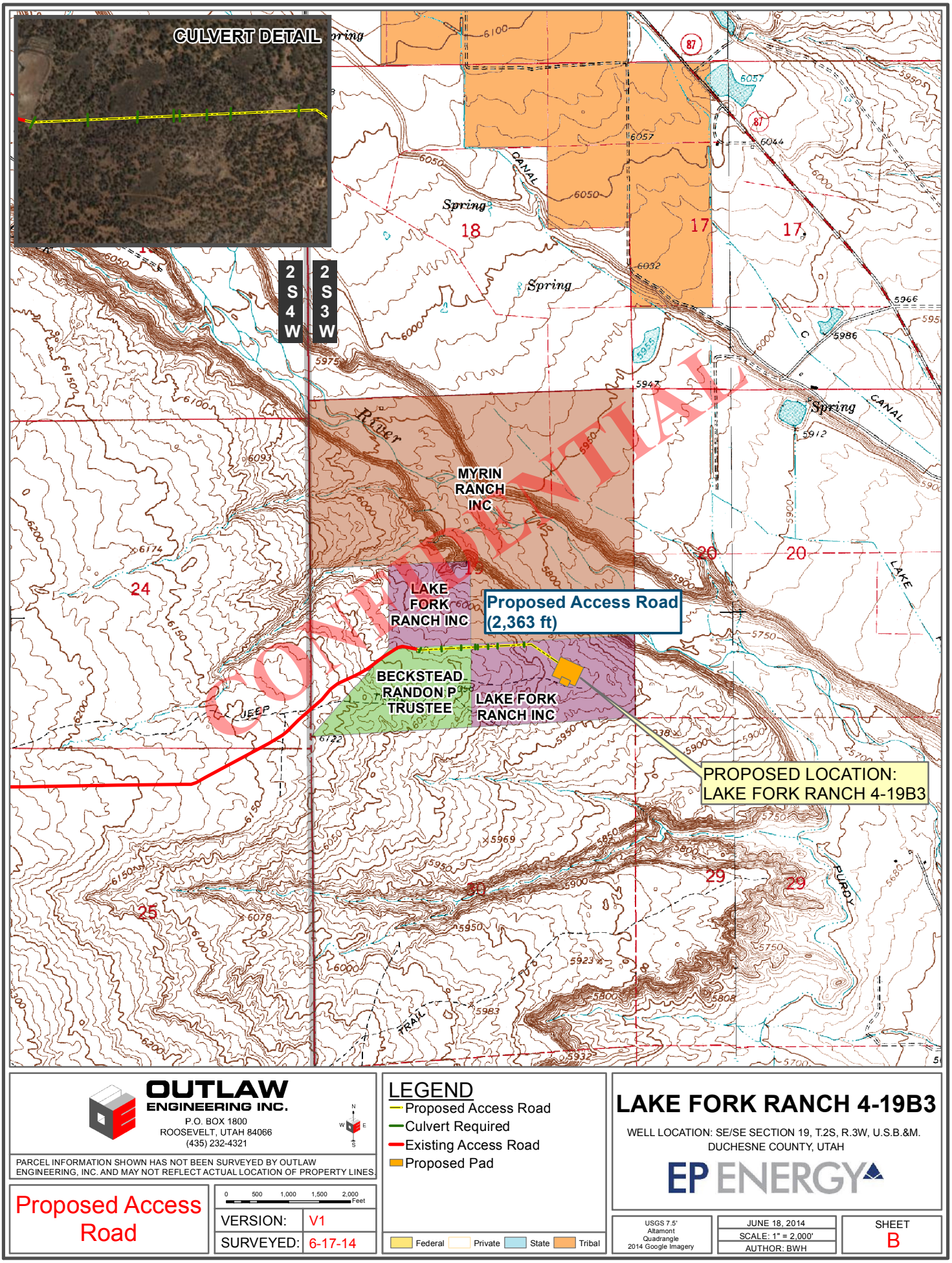
LAKE FORK RANCH 4-19B3

WELL LOCATION: SE/SE SECTION 19, T.2S, R.3W, U.S.B.&M.
DUCHESNE COUNTY, UTAH

EP ENERGY

USGS 7.5' Altamont Quadrangle	JUNE 18, 2014 SCALE: 1" = 8,342' AUTHOR: BWH	SHEET A

RECEIVED: July 21, 2014



OUTLAW ENGINEERING INC.
P.O. BOX 1800
ROOSEVELT, UTAH 84066
(435) 232-4321

PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY OUTLAW ENGINEERING, INC. AND MAY NOT REFLECT ACTUAL LOCATION OF PROPERTY LINES.

Proposed Access Road

0 500 1,000 1,500 2,000 Feet

VERSION:	V1
SURVEYED:	6-17-14

LEGEND
- Proposed Access Road
- Culvert Required
- Existing Access Road
- Proposed Pad

Federal Private State Tribal

LAKE FORK RANCH 4-19B3

WELL LOCATION: SE/SE SECTION 19, T.2S, R.3W, U.S.B.&M.
DUCHESNE COUNTY, UTAH

EP ENERGY

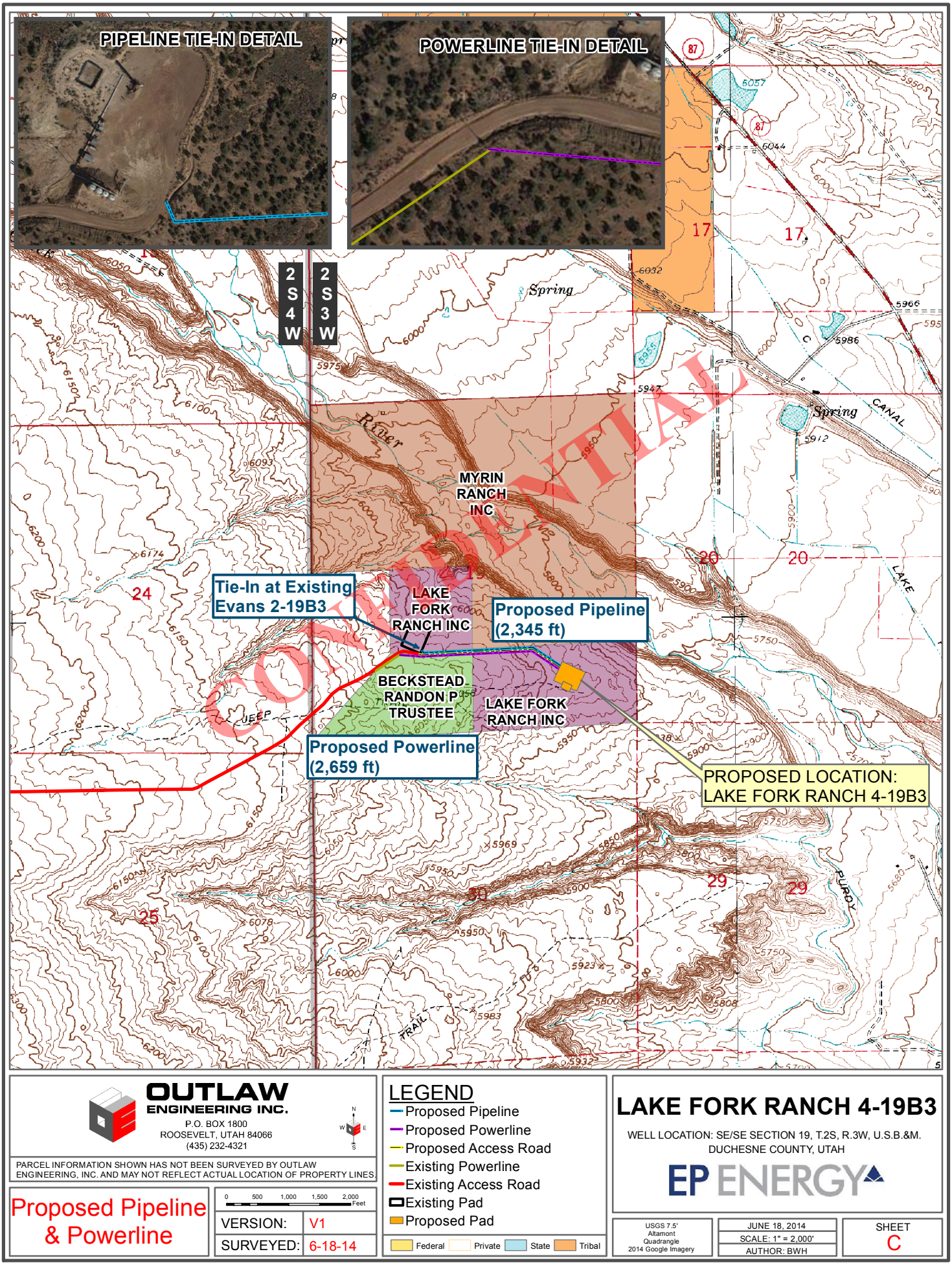
USGS 7.5' Altamont Quadrangle 2014 Google Imagery

JUNE 18, 2014
SCALE: 1" = 2,000'
AUTHOR: BWH

SHEET B

RECEIVED: July 21, 2014

API Well Number: 43013530630000



OUTLAW ENGINEERING INC.
P.O. BOX 1800
ROOSEVELT, UTAH 84066
(435) 232-4321

PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY OUTLAW ENGINEERING, INC. AND MAY NOT REFLECT ACTUAL LOCATION OF PROPERTY LINES.

Proposed Pipeline & Powerline

0 500 1,000 1,500 2,000 Feet

VERSION:	V1
SURVEYED:	6-18-14

LEGEND
- Proposed Pipeline
- Proposed Powerline
- Proposed Access Road
- Existing Powerline
- Existing Access Road
- Existing Pad
- Proposed Pad

Federal Private State Tribal

LAKE FORK RANCH 4-19B3

WELL LOCATION: SE/SE SECTION 19, T.2S, R.3W, U.S.B.&M.
DUCHESNE COUNTY, UTAH

EP ENERGY

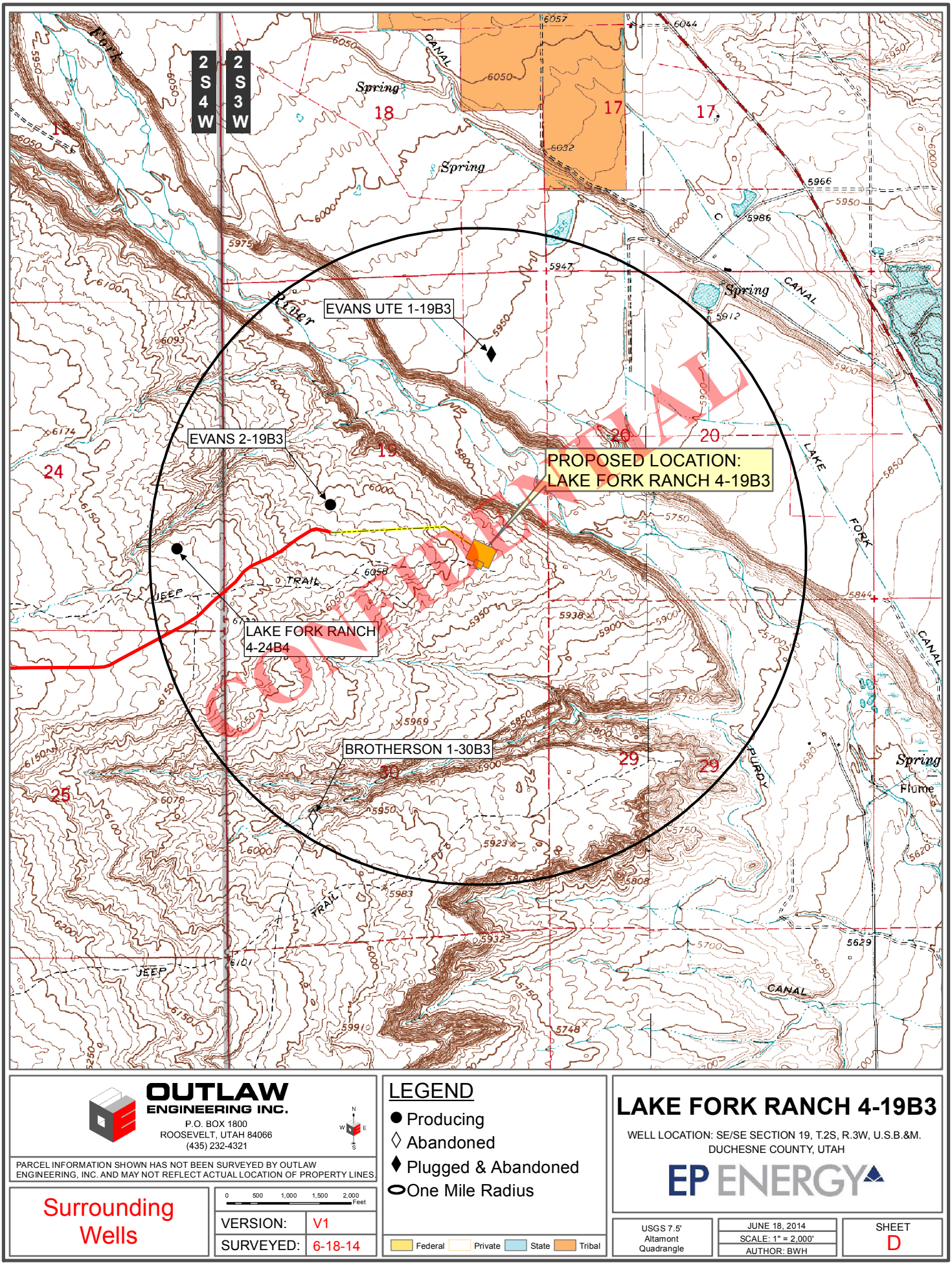
USGS 7.5' Altamont Quadrangle 2014 Google Imagery

JUNE 18, 2014
SCALE: 1" = 2,000'
AUTHOR: BWH

SHEET C

RECEIVED: July 21, 2014

API Well Number: 43013530630000



OUTLAW ENGINEERING INC.
P.O. BOX 1800
ROOSEVELT, UTAH 84066
(435) 232-4321

PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY OUTLAW ENGINEERING, INC. AND MAY NOT REFLECT ACTUAL LOCATION OF PROPERTY LINES.

Surrounding Wells

0 500 1,000 1,500 2,000 Feet

VERSION:	V1
SURVEYED:	6-18-14

LEGEND
- ● Producing
- ◊ Abandoned
- ♦ Plugged & Abandoned
- ⬭ One Mile Radius

Federal Private State Tribal

LAKE FORK RANCH 4-19B3

WELL LOCATION: SE/SE SECTION 19, T.2S, R.3W, U.S.B.&M.
DUCHESNE COUNTY, UTAH

EP ENERGY

USGS 7.5' Altamont Quadrangle	JUNE 18, 2014 SCALE: 1" = 2,000' AUTHOR: BWH	SHEET D

RECEIVED: July 21, 2014

AFFIDAVIT OF DAMAGE SETTLEMENT AND RELEASE

Jacquelyn L. Lynch personally appeared before me, and, being duly sworn, deposes and says:

1. My name is Jacquelyn L. Lynch. I am a Landman for EP Energy E&P Company, L.P., whose address is 1001 Louisiana St., Houston, Texas 77002 ("EP Energy").
2. EP Energy is the operator of the proposed Lake Fork Ranch 4-19B3 well (the "Well") to be located in the SE/4SE/4 of Section 19, Township 2 South, Range 3 West, USM, Duchesne County, Utah (the "Drillsite Location"). The surface owner of the Drillsite Location is Lake Fork Ranch, Inc., represented by Brent C. Brotherson, President, & Donna M. Brotherson, Secretary, whose address is HC 65 Box 510048, Mountain Home, Utah 510048 (the "Surface Owner"). The Surface Owner's telephone number is (435) 454-3546.
3. EP Energy and the Surface Owner have entered into a Damage Settlement and Release Agreement dated July 22nd, 2014, to cover any and all injuries or damages of every character and description sustained by the Surface Owner or Surface Owner's property as a result of operations associated with the drilling of the Well.

FURTHER AFFIANT SAYETH NOT.

Jacquelyn L. Lynch

ACKNOWLEDGMENT

STATE OF TEXAS §
§
COUNTY OF HARRIS §

Sworn to and subscribed before me on this 4th day of August, 2014, by Jacquelyn L. Lynch, as Landman for EP Energy E&P Company, L.P., a Delaware limited partnership.

NOTARY PUBLIC

My Commission Expires:

EP Energy E&P Company, L.P.

Related Surface Information

1. **Current Surface Use:**
   - Livestock Grazing and Oil and Gas Production.

2. **Proposed Surface Disturbance:**
   - The road will be crown and ditch. Water wings will be constructed on the access road as needed.
   - The topsoil will be windrowed and re-spread in the borrow area.
   - New road to be constructed will be approximately .45 miles in length and 66 feet wide.
   - All equipment and vehicles will be confined to the access road, pad and area specified in the APD.

3. **Location Of Existing Wells:**
   - Existing oil, gas wells within one (1) mile radius of proposed well are provided in EXHIBIT C.

4. **Location And Type Of Drilling Water Supply:**
   - Drilling water: Upper County Water District

5. **Existing/Proposed Facilities For Productive Well:**
   - There are no existing facilities that will be utilized for this well.
   - A pipeline corridor .44 miles will parallel the proposed access road. The corridor will contain one 4 inch gas line and one 2 inch gas line and one 2 inch Salt Water disposal line. Rehabilitation of unneeded, previously disturbed areas will consist of backfilling and contouring the reserve pit area; backsloping and contouring all cut and fill slopes. These areas will be reseeded. Refer to plans for reclamation of surface for details.
   - Upgrade and maintain access roads and drainage control structures (e.g., culverts, drainage dips, ditching, etc.) as necessary to prevent soil erosion and accommodate safe, year-round traffic.

6. **Construction Materials:**
   - Native soil from road and location will be used for construction materials along with gravel and/or scoria road base material. In the event that conditions should necessitate graveling of all or part of the access road and location, surfacing materials will be purchased from commercial suppliers in the marketing area.

7. **Methods For Handling Waste Disposal:**
   - The reserve pit will be designed to prevent the collection of surface runoff and will be constructed with a minimum of ½ the total depth below the original ground surface on the lowest point with the pit. The pit will be lined with a 20-mil polyethylene to prevent leakage of fluids. The liner will be rolled into place and secured at the ends, i.e. buried on top of the pit berms. Prior to use, the reserve pit will be fenced on three sides; the fourth side will be fenced at the time the rig is removed. Drilling fluids, cuttings and produced water will be contained in the reserve pit (trash will be place in the trash cage). Fluids in the reserve pit will be allowed to evaporate prior to pit burial.
   - Garbage and other trash will be contained in the portable trash cage and hauled off the location to an authorized disposal site. Any trash on the pad will be cleaned up prior to the rig moving off location and hauled to an authorized disposal site.
   - Sewage will be handled in Portable Toilets.
   - Produced water will be placed in the reserve pit for a period not to exceed ninety days after initial production. Any hydrocarbons produced during completion work will be contained in test tanks and removed from the location at a later date.
   - Water from the reserve pit may be used for drilling of additional wells. The water will be trucked along access roads as approved in pertinent APD's

8. **Ancillary Facilities:**
   - There will be no ancillary facilities associated with this project.

RECEIVED: July 21, 2014

9. **Surface Reclamation Plans:**

Backfilling of the pits will be done when dry. In the event of a dry hole, the location will be re-contoured, the topsoil will be distributed evenly over the entire location, and the seedbed prepared.

- Seed will be planted after September 15th, and prior to ground frost, or seed will be planted after the frost has left and before May 15th. Slopes to steep for machinery will be hand broadcast and raked with twice the specified amount of seed.

1. The construction program and design are on the attached cut, fill and cross sectional diagrams.
2. Prior to construction, all topsoil will be removed from the entire site and stockpiled. Topsoil for this site is the first 6 inches of soil materials.
3. After the location has been reshaped and after redistributing the topsoil, the operator will rip and scarify the drilling platform and access road on the contour, to a depth of at least 12 inches.

- Rehabilitation will begin upon the completion of the drilling. Complete rehabilitation will depend on weather conditions and the amount of time required to dry the reserve pit.

1. All rehabilitation work including seeding will be completed as soon as weather and the reserve pit conditions are appropriate.
2. Landowner will be contacted for rehabilitation requirements.

10. **Surface Ownership:**

Brent Brotherson, President, Lake Fork Ranch, Inc.
HC 65 Box 510048
Mountain Home, UT 84051
435-454-3546

Other Information:

- The surface soil consists of clay, and silt.
- Flora – vegetation consists of the following: Sagebrush, Juniper and prairie grasses.
- Fauna – antelope, deer, coyotes, raptors, small mammals, and domestic grazing animals.
- Current surface uses – Livestock grazing and mineral exploration and production.

- **Operator and Contact Persons:**

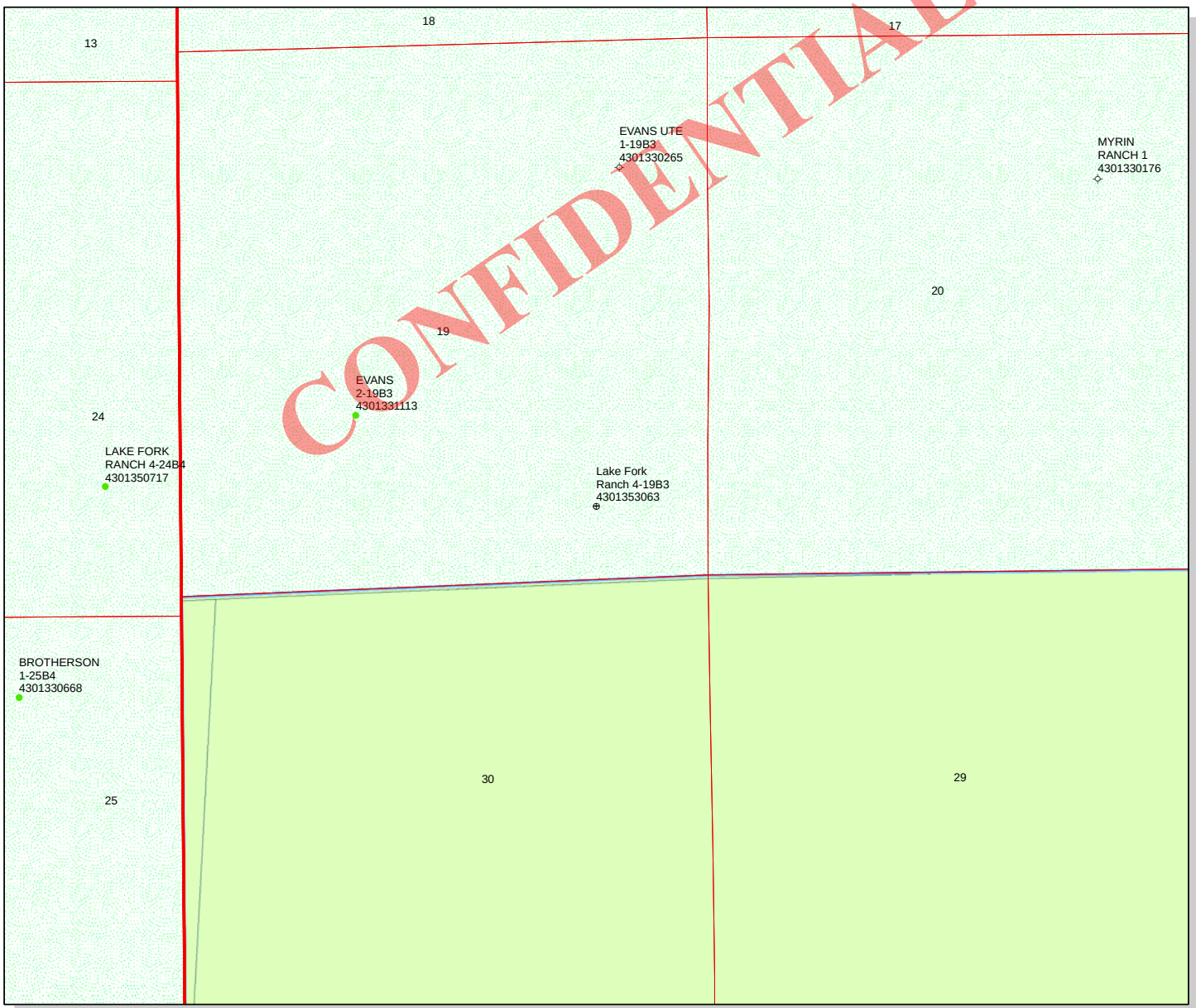
Construction and Reclamation:
EP Energy E&P Company, L.P.
Wayne Garner
PO Box 410
Altamont, Utah 84001
435-454-3394 – Office
435-823-1490 – Cell

Regarding This APD
EP Energy E&P Company, L.P.
Maria S. Gomez
1001 Louisiana, Rm 2730D
Houston, Texas 77002
713-997-5038 – Office

Drilling
EP Energy E&P Company, L.P.
Brad MacAfee – Drilling Engineer
1001 Louisiana, Rm 2660D
Houston, Texas 77002
713-997-6383 – office
281-813-0902 – Cell

RECEIVED: July 21, 2014

API Well Number: 43013530630000



API Number: 4301353063

Well Name: Lake Fork Ranch 4-19B3

Township: T02.0S Range: R03.0W Section: 19 Meridian: U

Operator: EP ENERGY E&P COMPANY, L.P.

Map Prepared: 7/23/2014
Map Produced by Diana Mason

Wells Query

Status

- APD - Aproved Permit
- DRL - Spuded (Drilling Commenced)
- GIW - Gas Injection
- GS - Gas Storage
- LOC - New Location
- OPS - Operation Suspended
- PA - Plugged Abandoned
- PGW - Producing Gas Well
- POW - Producing Oil Well
- SGW - Shut-in Gas Well
- SOW - Shut-in Oil Well
- TA - Temp. Abandoned
- TW - Test Well
- WDW - Water Disposal
- WIW - Water Injection Well
- WSW - Water Supply Well

Units

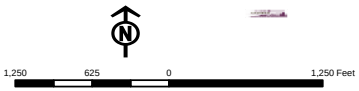
STATUS

- ACTIVE
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Fields

STATUS

- Unknown
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- STORAGE
- TERMINATED



1:12,142

RECEIVED: July 23, 2014

ON-SITE PREDRILL EVALUATION
Utah Division of Oil, Gas and Mining

Operator	EP ENERGY E&P COMPANY, L.P.				
Well Name	Lake Fork Ranch 4-19B3				
API Number	43013530630000	**APD No**	10116	**Field/Unit**	ALTAMONT
Location: 1/4,1/4	SESE **Sec** 19 **Tw** 2.0S **Rng** 3.0W 761 FSL 1110 FEL				
GPS Coord (UTM)	562858 4460088	**Surface Owner**	Brent Brotherson, President, Lake Fork Ranch, Inc.		

Participants

Heather Ivie (EP Energy Lands); Wayne Garner (EP construction); McCoy Anderson (Outlaw Survey); Tyler Cox (BLM); Ace Nielsen (Archeology); Dennis Ingram (DOGM)

Regional/Local Setting & Topography

The Lake Fork Ranch 4-19B3 is located in northeastern Utah in the Uintah Basin, north of Blue Bench and less than a thousand feet west of the Lake Fork River Drainage on bench lands that slope easterly. Big Sand Wash Reservoir is located approximately 2.0 miles to the east, northeast. The Lake Fork River Drainage cuts through this country draining the high country in a southeasterly direction. The topography generally slopes east, southeast in cedar forest with sandstone outcropping common before dropping off into Arcadia and onto Blue Bench. The immediate topography at the location site slopes east and south with the high point to the west. The greatest cut is on corner number 8 at 7.5 feet with the greatest fill to the east on corner number 2 at 6.4 feet of fill. This proposed well site is approximately 4.8 miles south of Altamont, and can be accessed by driving east on Caravan Lane or south from the EP energy Office.

Surface Use Plan

Current Surface Use
Grazing
Wildlfe Habitat

New Road Miles	Well Pad	Src Const Material	Surface Formation
0.45	**Width** 407 **Length** 410		

Ancillary Facilities N

width of location will reclaimed back to 347' after pit reclamation

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

Cedar trees, sagebrush, sparse bunch grass, prickly pear cactus;

Potential elk and mule deer habitat, coyote, fox, jack and cottontail rabbits, skunk, horn toad, and other smaller mammals native to region, potential hawk, eagle or owl habitat.

RECEIVED: December 17, 2014

API Well Number: 43013530630000

Soil Type and Characteristics

Fine-grained, reddish in color, sandy loam with clays present, also has sandstone outcroppings.

Erosion Issues Y

Sedimentation Issues Y

Site Stability Issues N

Drainage Diverson Required? Y

re-route any drainages around location and tie back into an existing drainage is possible

Berm Required? Y

location and tanks

Erosion Sedimentation Control Required? Y

On steep fill slopes if erosion occurs.

Paleo Survey Run? Y **Paleo Potental Observed?** N **Cultural Survey Run?** Y **Cultural Resources?** Y

Reserve Pit

Site-Specific Factors		Site Ranking
Distance to Groundwater (feet)	>200	0
Distance to Surface Water (feet)	300 to 1000	2
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	>1320	0
Native Soil Type	High permeability	20
Fluid Type	Fresh Water	5
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)		0
Affected Populations		
Presence Nearby Utility Conduits	Not Present	0
	Final Score	27 1 Sensitivity Level

Characteristics / Requirements

Proposed reserve pit along the south side of location in cut, measuring 110' wide by 150' long by 12' deep

Closed Loop Mud Required? **Liner Required?** Y **Liner Thickness** 20 **Pit Underlayment Required?**

Other Observations / Comments

RECEIVED: December 17, 2014

Well was moved to appease arch chips found during survey and is now only 761' from the south line, drilling operations tend to drift south in this area and the operator only has a hundred feet to work with before being off lease, well direction shall be mapped to insure bottom hole and wellbore stays north on legal lease. BLM requested that operator stay off buffer area between well site and arch survey finds, also told EP they might have to have someone there to assure they stay out during construction.....

Dennis Ingram	8/20/2014
Evaluator	**Date / Time**

RECEIVED: December 17, 2014

Application for Permit to Drill
Statement of Basis
Utah Division of Oil, Gas and Mining

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
10116	43013530630000	LOCKED	OW	P	No
Operator	EP ENERGY E&P COMPANY, L.P.		**Surface Owner-APD**	Brent Brotherson, President, Lake Fork Ranch, Inc.	
Well Name	Lake Fork Ranch 4-19B3		**Unit**		
Field	ALTAMONT		**Type of Work**	DRILL	
Location	SESE 19 2S 3W U 761 FSL 1110 FEL GPS Coord (UTM) 562859E 4460069N				

Geologic Statement of Basis

The mineral rights for the proposed well are owned by the Ute Tribe. The BLM will be the agency responsible for evaluating and approving the drilling, casing and cement programs.

Brad Hill — **APD Evaluator**

9/17/2014 — **Date / Time**

Surface Statement of Basis

Well was moved to appease arch chips found during survey and is now only 761' from the south line, drilling operations tend to drift south in this area and the operator shall monitor and map wellbore direction to insure bottom hole and wellbore stays north on legal lease. Any drainages that cross the location surface shall be diverted around the location and tied back into existing water courses to minimize off site erosion. The reserve pit at corner "B" in in 2.4 feet of fill, therefore the operator should utilize pit spoils to firm up dikes from corners 4 and between pit corners "B" and "C." The topsoil storage is planned between corners 10, 1, &2. Corner number "8" is in 7.5 feet of cut and rounded. That corner should have a location berm so storm water does not run onto the location.

The reserve pit is mostly in cut and located on the south side of the location. The operator shall install a felt pad and a 20 mil synthetic liner to contain the drilling fluids and cuttings. This pit shall be fenced along with the location to keep wildlife and cattle from entering same. Both the location and tanks shall be bermed to prevent leaks or spills from leaving the well site and running east toward the Lake Fork
River Drainage.

A presite to permit the Lake Fork Ranch 4-19B3 was scheduled and performed on August 20, 2014 to take input and address issues regarding the construction and drilling of this well. Brent Brotherson is shown as the landowner of record and was therefore invited to the presite meeting. Mr. Brotherson declined the offer because he'd already been out with the arch crew and operator to select a suitable site for this well. This well is a split estate well with Tribal minerals, and therefore the BLM was invited to participate in the presite visit.

Dennis Ingram — **Onsite Evaluator**

8/20/2014 — **Date / Time**

Conditions of Approval / Application for Permit to Drill

Category	Condition

RECEIVED: December 17, 2014

Pits	A synthetic liner with a minimum thickness of 20 mils shall be properly installed and maintained in the reserve pit.
Pits	The reserve pit should be located on the south side of the location.
Surface	The well site shall be bermed to prevent fluids from entering or leaving the pad.

RECEIVED: December 17, 2014

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 7/21/2014
API NO. ASSIGNED: 43013530630000
WELL NAME: Lake Fork Ranch 4-19B3
OPERATOR: EP ENERGY E&P COMPANY, L.P. (N3850)
PHONE NUMBER: 713 997-5038
CONTACT: Maria S. Gomez

PROPOSED LOCATION: SESE 19 020S 030W
Permit Tech Review: ☑

SURFACE: 0761 FSL 1110 FEL
Engineering Review: ☐

BOTTOM: 0761 FSL 1110 FEL
Geology Review: ☑

COUNTY: DUCHESNE
LATITUDE: 40.28876
LONGITUDE: -110.26048
UTM SURF EASTINGS: 562859.00
NORTHINGS: 4460069.00
FIELD NAME: ALTAMONT
LEASE TYPE: 2 - Indian
LEASE NUMBER: 1420H621734
PROPOSED PRODUCING FORMATION(S): GREEN RIVER(LWR)-WASATCH
SURFACE OWNER: 4 - Fee
COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

- ☑ **PLAT**
- ☑ **Bond:** INDIAN - RLB0009692
- ☐ **Potash**
- ☐ **Oil Shale 190-5**
- ☐ **Oil Shale 190-3**
- ☐ **Oil Shale 190-13**
- ☑ **Water Permit:** Duchesne City
- ☐ **RDCC Review:**
- ☑ **Fee Surface Agreement**
- ☐ **Intent to Commingle**

Commingling Approved

LOCATION AND SITING:

- ☐ **R649-2-3.**

Unit:

- ☐ **R649-3-2. General**
- ☐ **R649-3-3. Exception**
- ☑ **Drilling Unit**

Board Cause No: Cause 139-84
Effective Date: 12/31/2008
Siting: 4 Wells Per 640 Acres

- ☐ **R649-3-11. Directional Drill**

Comments: Presite Completed

Stipulations: 4 - Federal Approval - dmason
5 - Statement of Basis - bhill

GARY R. HERBERT
Governor
SPENCER J. COX
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES
MICHAEL R. STYLER
Executive Director
Division of Oil, Gas and Mining
JOHN R. BAZA
Division Director

Permit To Drill
****

Well Name: Lake Fork Ranch 4-19B3
API Well Number: 43013530630000
Lease Number: 1420H621734
Surface Owner: FEE (PRIVATE)
Approval Date: 12/17/2014

Issued to:
EP ENERGY E&P COMPANY, L.P., 1001 Louisiana, Houston, TX 77002

Authority:
Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 139-84. The expected producing formation or pool is the GREEN RIVER(LWR)-WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:
This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:
Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:
State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Notification Requirements:
The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well - contact Carol Daniels at 801-538-5284
  (please leave a voicemail message if not available)
  OR
  submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website

at http://oilgas.ogm.utah.gov

Reporting Requirements:
All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion
- Well Completion Report (Form 8) - due within 30 days after completion or plugging

Approved By:

For John Rogers
Associate Director, Oil & Gas

Alexis Huefner <alexishuefner@utah.gov>

Lake Fork Ranch 4-19B3 MOVE IN , SPUD & SET CASING NOTICE

1 message

LANDRIG007 (Patterson 307) <LANDRIG007@epenergy.com> Fri, Dec 19, 2014 at 10:42 PM

To: "alexishuefner@utah.gov" <alexishuefner@utah.gov>, "caroldaniels@utah.gov" <caroldaniels@utah.gov>, Dan Jarvis <danjarvis@utah.gov>, "Mangum, Danny R (Contractor)" <danny.mangum@epenergy.com>, "dennisingram@utah.gov" <dennisingram@utah.gov>, "Gomez, Maria S" <Maria.Gomez@epenergy.com>, "MacAfee, Bradley D" <Brad.MacAfee@epenergy.com>, "Derden, Roy Lynn (Contractor)" <Roy.Derden@epenergy.com>
Cc: "blm_ut_vn_opreport@blm.gov" <blm_ut_vn_opreport@blm.gov>, "m65lee@blm. gov (m65lee@blm.gov)" <m65lee@blm.gov>, "ut_vn_opreport@blm.gov" <ut_vn_opreport@blm.gov>

EP Energy

LAKE FORK RANCH 4-19B3

API # 43013530630000

LEASE SERIAL # 1420H621734

DUCHESNE CO.,UTAH

761 FSL 1110 FEL SESE 19 2S 3W

We are planning to move into LAKE FORK RANCH 4-19B3 & spud with air rig. Plan to drill & set 13-3/8" casing +/- 900'

Thank you

EP Energy

Patterson 307

Rig Office: 713-997-1255 or 1257

EP ENERGY

Form 3160-3
(August 2007)

RECEIVED

JUL 2 1 2014

BLM Vernal UT

FORM APPROVED
OMB No. 1004-0136
Expires July 31, 2010

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

CONFIDENTIAL

1a. Type of Work: ■ DRILL ☐ REENTER	5. Lease Serial No. 1420H621734
	6. If Indian, Allottee or Tribe Name
	7. If Unit or CA Agreement, Name and No.
1b. Type of Well: ■ Oil Well ☐ Gas Well ☐ Other ■ Single Zone ☐ Multiple Zone	8. Lease Name and Well No. LAKE FORK RANCH 4-19B3
2. Name of Operator EL PASO E&P COMPANY LP — Contact: MARIA GOMEZ — E-Mail: maria.gomez@epenergy.com	9. API Well No. 43013530630
3a. Address 1001 LOUISIANA HOUSTON, TX 77002 — 3b. Phone No. (include area code) Ph: 713-997-5038	10. Field and Pool, or Exploratory ALTAMONT
4. Location of Well *(Report location clearly and in accordance with any State requirements.*)* At surface SESE 761FSL 1110FEL — At proposed prod. zone SESE 761FSL 1110FEL	11. Sec., T., R., M., or Blk. and Survey or Area Sec 19 T2S R3W Mer UBM
14. Distance in miles and direction from nearest town or post office* 11 MILES	12. County or Parish DUCHESNE — 13. State UT
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 761' — 16. No. of Acres in Lease 120.00	17. Spacing Unit dedicated to this well
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 2100' — 19. Proposed Depth 13300 MD 13300 TVD	20. BLM/BIA Bond No. on file RLB0009692
21. Elevations (Show whether DF, KB, RT, GL, etc. 5988 GL — 22. Approximate date work will start 11/24/2014	23. Estimated duration 60

RECEIVED
JAN 05 2015
DIV. OF OIL, GAS & MINING

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature (Electronic Submission)	Name (Printed/Typed) MARIA GOMEZ Ph: 713-997-5038	Date 07/20/2014
Title PRINCIPAL REGULATORY ANALYST		
Approved by (Signature)	Name (Printed/Typed) Jerry Kenczka	Date DEC 19 2014
Title Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Additional Operator Remarks (see next page)

Electronic Submission #253839 verified by the BLM Well Information System
For EL PASO E&P COMPANY LP, sent to the Vernal
Committed to AFMSS for processing by ROBIN R. HANSEN on 07/24/2014 ()

NOTICE OF APPROVAL

UDOGM

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

14RRH4397AE

NO NOS

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE
170 South 500 East VERNAL, UT 84078 (435) 781-4400

CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	**EL PASO E&P COMPANY LP**	**Location:**	**SESE, Sec. 19, T2S, R3W**
Well No:	**LAKE FORK RANCH 4-19B3**	**Lease No:**	**14-20-H62-1734**
API No:	**43-013-53063**	**Agreement:**	**N/A**

OFFICE NUMBER: (435) 781-4400

OFFICE FAX NUMBER: (435) 781-3420

A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Construction Activity (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	-	The Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist shall be notified at least 48 hours in advance of any construction activity. The Ute Tribal office is open Monday through Thursday.
Construction Completion (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	-	Upon completion of the pertinent APD/ROW construction, notify the Ute Tribe Energy & Minerals Dept. for a Tribal Technician to verify the Affidavit of Completion. Notify the BLM Environmental Scientist prior to moving on the drilling rig.
Spud Notice (Notify BLM Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify BLM Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings to:blm_ut_vn_opreport@blm.gov.
BOP & Related Equipment Tests (Notify BLM Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify BLM Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)

Well Number: Lake Fork Ranch 4-19B3

- Paint all production facilities and equipment, not otherwise regulated (OSHA, etc.), Juniper Green.
- All areas of disturbance (including surface pipelines) must have appropriate surface use agreements or approvals in place with the proper owner and/or agency before such action is started.
- The conditions of approval, as set forth by those owners and/or agencies, shall be adhered to.
- Stationary internal combustion engines would comply with the following emission standards: 2 g/bhp-hr of NOx for engines less than 300 HP and 1 g/bhp-hr of NOx for engines over 300 HP.
- Either no or low bleed controllers would be installed on pneumatic pumps, actuators or other pneumatic devices.
- VOC venting controls or flaring would be utilized for oil or gas atmospheric storage tanks.
- VOC venting controls or flaring would be used for glycol dehydration and amine units.
- Where feasible, green completion would be used for well completion, re-completion, venting, or planned blowdown emissions. Alternatively, use controlled VOC emissions methods with 90% efficiency.

DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)

SITE SPECIFIC DOWNHOLE COAs:

1420H621734

NMWL LAKE FORK RANCH 4-19B3 (43-013-53063)

APD_COA DOWNHOLE _ELPS

- For the drilling of the surface hole section, operator is required to install an bowl diverter system or rotating head which is connected and discharges to an panic or choke blooie line.
- Pressure integrity test (PIT) or formation integrity test (FIT) shall be performed at the intermediate casing shoe.
- Surface casing cement shall be brought up and into the surface.
- For casing production (partial) liner installation, casing liner is to be installed and tested to the standards of Onshore Orders #2. The operator specified casing liner lap overlap interval length is 200 ft.
- Electronic/mechanical mud monitoring equipment shall include from surface casing shoe to TD a; pit volume totalizer (PVT); stroke counter; and flow sensor.
- BOPE requirement for drilling production casing segment of wellbore is for a BOP 10m system.
- The operator is required to use '10,000' psi annular preventer for the specified BOP 10M system.
- 10M BOPE shall meet all requirements of Onshore Order #2, including an Upper and Lower kelly cock valve described as an; Upper kelly cock valve with handle available; and Lower kelly cock valve with handle available.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.

- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.

- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.

- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.

- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.

- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.

- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.

- No aggressive/fresh hard-banded drill pipe shall be used within casing.

- **Cement baskets shall not be run on surface casing.**

- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.

- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.

- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

- **Please submit an electronic copy of all other logs run on this well by CD (compact disc). This submission will supersede the requirement for submittal of paper logs to the BLM.**

- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.

- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at www.ONRR.gov.

- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:

    - Operator name, address, and telephone number.

    - Well name and number.

    - Well location (¼¼, Sec., Twn, Rng, and P.M.).

    - Date well was placed in a producing status (date of first production for which royalty will be paid).

    - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).

    - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.

    - Unit agreement and/or participating area name and number, if applicable.

    - Communitization agreement number, if applicable.

- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.

- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.

- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if

performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.

- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.

- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.

- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.

- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.

- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

CONFIDENTIAL

Carol Daniels <caroldaniels@utah.gov>

SESE Sec 19 T03S R03W

Spudded 12 1/4" hole on Lake Fork Ranch 4-19B3

1 message

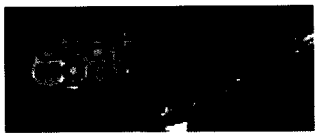
LANDRIG007 (Patterson 307) <LANDRIG007@epenergy.com> Mon, Jan 5, 2015 at 11:01 AM
To: "alexishuefner@utah.gov" <alexishuefner@utah.gov>, "caroldaniels@utah.gov" <caroldaniels@utah.gov>, Dan Jarvis <danjarvis@utah.gov>, "Mangum, Danny R (Contractor)" <danny.mangum@epenergy.com>, "dennisingram@utah.gov" <dennisingram@utah.gov>, "Gomez, Maria S" <Maria.Gomez@epenergy.com>, "MacAfee, Bradley D" <Brad.MacAfee@epenergy.com>, "Derden, Roy Lynn (Contractor)" <Roy.Derden@epenergy.com>

RE: EP ENERGY
LAKE FORK RANCH 4-19B3
API # 43-013-53063-00-00
LEASE SERIAL # 14-20-H62-1734
DUCHESNE CO., UTAH

Patterson Rig 307 began drilling 12 1/4" hole on the Lake Fork Ranch 4-19B3 well at 09:30 AM, 01/05/2015, at 929'.

Regards,
Eugene Parker
Well site Supervisor
Patterson 307
713-997-1255 or 1257

CONFIDENTIAL



Carol Daniels <caroldaniels@utah.gov>

SESE S-19 T02S R03W

No Cement to surface

1 message

LANDRIG007 (Patterson 307) <LANDRIG007@epenergy.com> Sun, Jan 11, 2015 at 3:22 AM
To: "alexishuefner@utah.gov" <alexishuefner@utah.gov>, "caroldaniels@utah.gov" <caroldaniels@utah.gov>, Dan Jarvis <danjarvis@utah.gov>, "Mangum, Danny R (Contractor)" <danny.mangum@epenergy.com>, "dennisingram@utah.gov" <dennisingram@utah.gov>, "Gomez, Maria S" <Maria.Gomez@epenergy.com>, "MacAfee, Bradley D" <Brad.MacAfee@epenergy.com>, "Derden, Roy Lynn (Contractor)" <Roy.Derden@epenergy.com>

EP ENERGY

LAKE FORK RANCH 4-19B3

API # 43-013-53063-00-00

LEASE SERIAL # 14-20-H62-1734

DUCHESNE CO., UTAH

When cementing the 9 5/8" casing we did not get cement back to surface. We are in the process to run 1" tubing down to do a top out job. We will wait 4 hrs for cement to harden before

Pumping on top of the cement in hole.

EP Energy

Patterson 307

Rig Office: 713-997-1255 or 1257

EP ENERGY

Sundry Number: 60072 API Well Number: 43013530630000

FEDERAL APPROVAL OF THIS ACTION IS NECESSARY

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: 1420H621734

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: Lake Fork Ranch 4-19B3

2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.

9. API NUMBER: 43013530630000

3. ADDRESS OF OPERATOR: 1001 Louisiana , Houston, TX, 77002

PHONE NUMBER: 713 997-5038 Ext

9. FIELD and POOL or WILDCAT: ALTAMONT

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0761 FSL 1110 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 19 Township: 02.0S Range: 03.0W Meridian: U

COUNTY: DUCHESNE

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 1/26/2015	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	✓ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

EP would like approval to change to drill from 13300' to up to 13800' but more than likely 13500'.

Approved by the Utah Division of Oil, Gas and Mining

January 26, 2015

Date:

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Maria S. Gomez	713 997-5038	Principal Regulatory Analyst
SIGNATURE N/A		**DATE** 1/26/2015

RECEIVED: Jan. 26, 2015

CONFIDENTIAL

Carol Daniels <caroldaniels@utah.gov>

SESE SEC 19 T02S R03W

24 hr Notice to RUN & CEMENT 5" Production Liner on Lake Fork Ranch 4-19B3

1 message

LANDRIG007 (Patterson 307) <LANDRIG007@epenergy.com> Thu, Jan 29, 2015 at 4:23 AM
To: "ut_vn_opreport@blm.gov" <ut_vn_opreport@blm.gov>, "alexishuefner@utah.gov" <alexishuefner@utah.gov>, "caroldaniels@utah.gov" <caroldaniels@utah.gov>, Dan Jarvis <danjarvis@utah.gov>, "Mangum, Danny R (Contractor)" <danny.mangum@epenergy.com>, "dennisingram@utah.gov" <dennisingram@utah.gov>, "Gomez, Maria S" <Maria.Gomez@epenergy.com>, "MacAfee, Bradley D" <Brad.MacAfee@epenergy.com>, "Derden, Roy Lynn (Contractor)" <Roy.Derden@epenergy.com>

RE: EP ENERGY
LAKE FORK RANCH 4-19B3
API # 43-013-53063-00-00
LEASE SERIAL # 14-20-H62-1734
DUCHESNE CO., UTAH

We intend to RUN & CEMENT 5" Production Liner on Lake Fork Ranch 4-19B3 well within 24 hrs.

Regards,
Eugene Parker
Well site Supervisor
Patterson 307
713-997-1255 or 1257

SESE Sec 19 T02S R03W

CONFIDENTIAL

January 19,2015

Subject: 24 Hour Notice for Running and Cementing of 7" intermediate Casing.

Well Name: Lake Fork Ranch 4-19B3
API Well Number: 43013530630000
Field: Altamont
County: Duchesne
Mineral Owner: BLM bond # RLB0009692

Rig: Patterson 307

Best Regards

Gary Miller
Rig Site Supervisor
EP Energy LLC
C: 435-823-1725

Sundry Number: 61603 API Well Number: 43013530630000

Reset Form

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ (highlight changes) FORM 8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER: 1420H621734
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME:
8. WELL NAME and NUMBER: Lake Fork Ranch 4-19B3
9. API NUMBER: 4301352616
10 FIELD AND POOL, OR WILDCAT: Altamont
11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESE 19 2S 3W U
12. COUNTY: Duchesne
13. STATE: UTAH

1a. TYPE OF WELL: OIL WELL ☑ GAS WELL ☐ DRY ☐ OTHER
b. TYPE OF WORK: NEW WELL ☑ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER
2. NAME OF OPERATOR: EP Energy E&P Company, L.P.
3. ADDRESS OF OPERATOR: 1001 Louisiana CITY Houston STATE TX ZIP 77002
PHONE NUMBER: (713) 997-5038
4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 761' FSL & 1110' FEL
AT TOP PRODUCING INTERVAL REPORTED BELOW: 904' FSL & 1154' FEL
AT TOTAL DEPTH: 801' FSL & 1180' FEL

14. DATE SPUDDED:	15. DATE T.D. REACHED:	16. DATE COMPLETED:	ABANDONED	READY TO PRODUCE	17. ELEVATIONS (DF, RKB, RT, GL):
1/5/2015	1/27/2015	2/19/2015	☐	☑	5988

18. TOTAL DEPTH:	19. PLUG BACK T.D.:	20. IF MULTIPLE COMPLETIONS, HOW MANY? *	21. DEPTH BRIDGE PLUG SET:
MD 13,525	MD		MD
TVD 13,503	TVD		TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
Sonic, Gamma Ray, Resistivity & Neutron Density

23.
WAS WELL CORED? NO ☑ YES ☐ (Submit analysis)
WAS DST RUN? NO ☑ YES ☐ (Submit report)
DIRECTIONAL SURVEY? NO ☐ YES ☑ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
17.5	13.375 J55	54.5	0	953		G 1,000	1,150	0	
12.25	9.625 N80	40	0	5,328		A/G 1,505	2,905	0	
8.75	7" HCP1:	29	0	10,420		G 675	1,200	4540	
6.125	5" HCP1:	18	10,210	13,520		G 260	369	10210	

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2.875	10,332	10,328						

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) Wasatch	10,291	13,525	10,271	13,503
(B)				
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
13,129 13,417	.43	63	Open ☑ Squeezed ☐
12,841 13,100	.43	69	Open ☑ Squeezed ☐
12,562 12,800	.43	66	Open ☑ Squeezed ☐
12,284 12,520	.43	66	Open ☑ Squeezed ☐

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. See attached for further information on #27 & #28.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
13129-13417	5000 gal 15% HCL acid, 3000# 100 mesh, 153040# 30/50 PowerProp
12841-13100	5000 gal 15% HCL acid, 3000# 100 mesh, 150100# 30/50 PowerProp
12562-12800	5000 gal 15% HCL acid, 3000# 100 mesh, 150080# 30/50 PowerProp

29. ENCLOSED ATTACHMENTS: All logs are submitted to UDOGM by vendor.

☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER:

30. WELL STATUS: Prod

(5/2000)

(CONTINUED ON BACK)

RECEIVED: Mar. 18, 2015

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
2/20/2015	3/2/2015	24		671	623	431	FL

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:
16	2,300	0	44.00	1	1		671	623	431	PROD

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

Sold

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				Upper Green River	5,234
				Middle Green River	7,099
				Lower Green River	8,510
				Wasatch	10,271

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Maria S. Gomez TITLE Principal Regulatory Analyst

SIGNATURE _____ DATE 3/18/2015

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

(5/2000)

RECEIVED: Mar. 18, 2015

Attachment to Well Completion Report

Form 8 Dated March 18, 2015

Well Name: Lake Fork Ranch 4-19B3

Items #27 and #28 Continued

27. Perforation Record

Interval (Top/Bottom – MD)	Size	No. of Holes	Perf. Status
12011’-12248’	.43	69	Open
11758’-11976’	.43	69	Open
11457’-11681’	.43	69	Open
11160’-11413’	.43	69	Open
10874’-11129’	.43	69	Open

28. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
12286’-12520’	5000 gal 15% HCL acid, 3000# 100 mesh, 150100# 30/50 PowerProp
12011’-12248’	5000 gal 15% HCL acid, 3000# 100 mesh, 150040# 30/50 PowerProp
11758’-11976’	5000 gal 15% HCL acid, 3000# 100 mesh, 150080# 30/50 PowerProp
11457’-11681’	5000 gal 15% HCL acid, 3000# 100 mesh, 150040# 30/50 PowerProp
11160’-11413’	5000 gal 15% HCL acid, 3000# 100 mesh, 150100# 30/50 PowerProp
10874’-11129’	5000 gal 15% HCL acid, 3220# 100 mesh, 151040# 30/50 PowerProp

RECEIVED: Mar. 18, 2015

EP ENERGY

Company:	EP Energy	**Job Number:**	
Well:	Lake Fork Ranch 4-19B3	**Mag Decl.:**	
Location:	Duchesne, UT	**Dir Driller:**	
Rig:	Patterson 307	**MWD Eng:**	

Calculation Method	Minimum Curvature
Proposed Azimuth	0.00
Depth Reference	KB
Tie Into:	Gyro/MWD

Survey Number	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates N/S (ft)		Coordinates E/W (ft)		Closure Distance (ft)	Closure Direction Azimuth	Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
Tie In	**0.00**	**0.00**	**0.00**												
1	100.00	0.61	186.96	100.00	100.00	-0.53	0.53	S	0.06	W	0.53	186.96	0.61	0.61	186.96
2	200.00	0.27	168.69	100.00	200.00	-1.28	1.28	S	0.08	W	1.29	183.71	0.37	-0.34	-18.27
3	300.00	0.19	317.12	100.00	299.99	-1.39	1.39	S	0.15	W	1.40	186.21	0.44	-0.08	148.43
4	400.00	0.51	249.01	100.00	399.99	-1.42	1.42	S	0.68	W	1.58	205.46	0.47	0.32	-68.11
5	500.00	0.55	221.90	100.00	499.99	-1.94	1.94	S	1.41	W	2.40	216.05	0.25	0.04	-27.10
6	600.00	0.49	187.00	100.00	599.99	-2.72	2.72	S	1.79	W	3.26	213.26	0.32	-0.06	-34.90
7	700.00	0.51	221.44	100.00	699.98	-3.48	3.48	S	2.14	W	4.09	211.50	0.30	0.02	34.44
8	800.00	0.47	246.39	100.00	799.98	-3.98	3.98	S	2.81	W	4.87	215.18	0.22	-0.04	24.95
9	900.00	0.51	232.34	100.00	899.97	-4.42	4.42	S	3.53	W	5.66	218.66	0.12	0.03	-14.05
10	1000.00	0.37	174.72	100.00	999.97	-5.01	5.01	S	3.85	W	6.32	217.55	0.44	-0.13	-57.62
11	1100.00	0.18	107.74	100.00	1099.97	-5.39	5.39	S	3.67	W	6.52	214.27	0.35	-0.19	-66.98
12	1200.00	0.10	99.74	100.00	1199.97	-5.45	5.45	S	3.44	W	6.44	212.23	0.09	-0.09	-8.00
13	1300.00	0.08	320.13	100.00	1299.97	-5.41	5.41	S	3.40	W	6.39	212.11	0.16	-0.02	220.39
14	1400.00	0.69	220.53	100.00	1399.97	-5.82	5.82	S	3.83	W	6.96	213.35	0.70	0.61	-99.60
15	1500.00	0.87	208.77	100.00	1499.96	-6.94	6.94	S	4.58	W	8.31	213.45	0.24	0.18	-11.76
16	1600.00	0.31	200.55	100.00	1599.95	-7.85	7.85	S	5.04	W	9.33	212.70	0.56	-0.56	-8.22
17	1700.00	0.62	191.47	100.00	1699.95	-8.64	8.64	S	5.24	W	10.11	211.26	0.32	0.31	-9.08
18	1800.00	0.79	199.58	100.00	1799.94	-9.82	9.82	S	5.58	W	11.29	209.62	0.19	0.16	8.11
19	1900.00	0.28	230.67	100.00	1899.94	-10.62	10.62	S	6.00	W	12.20	209.48	0.56	-0.50	31.10
20	2000.00	0.49	209.57	100.00	1999.93	-11.15	11.15	S	6.40	W	12.86	209.88	0.25	0.21	-21.10
21	2100.00	0.46	192.64	100.00	2099.93	-11.92	11.92	S	6.70	W	13.67	209.36	0.14	-0.03	-16.93
22	2200.00	0.89	186.82	100.00	2199.92	-13.08	13.08	S	6.89	W	14.78	207.76	0.43	0.42	-5.82
23	2300.00	0.92	181.42	100.00	2299.91	-14.65	14.65	S	7.00	W	16.23	205.53	0.09	0.03	-5.39
24	2400.00	0.29	172.86	100.00	2399.91	-15.70	15.70	S	6.99	W	17.18	203.99	0.63	-0.63	-8.57
25	2500.00	0.52	209.13	100.00	2499.90	-16.34	16.34	S	7.18	W	17.85	203.71	0.34	0.23	36.27
26	2600.00	0.58	216.38	100.00	2599.90	-17.15	17.15	S	7.70	W	18.80	204.18	0.09	0.06	7.25
27	2700.00	0.72	238.58	100.00	2699.89	-17.89	17.89	S	8.54	W	19.82	205.51	0.28	0.14	22.20
28	2800.00	0.97	226.08	100.00	2799.88	-18.80	18.80	S	9.68	W	21.15	207.24	0.31	0.25	-12.51
29	2900.00	1.56	238.46	100.00	2899.86	-20.10	20.10	S	11.45	W	23.13	209.66	0.64	0.58	12.38
30	3000.00	1.59	226.21	100.00	2999.82	-21.77	21.77	S	13.60	W	25.67	212.00	0.34	0.03	-12.25
31	3100.00	1.75	231.68	100.00	3099.78	-23.67	23.67	S	15.80	W	28.46	213.72	0.23	0.16	5.47
32	3200.00	1.71	234.08	100.00	3199.73	-25.49	25.49	S	18.20	W	31.32	215.53	0.08	-0.04	2.41
33	3300.00	1.64	229.67	100.00	3299.69	-27.29	27.29	S	20.50	W	34.13	216.91	0.15	-0.07	-4.41
34	3400.00	1.65	220.24	100.00	3399.65	-29.31	29.31	S	22.52	W	36.96	217.53	0.27	0.01	-9.43
35	3500.00	2.35	215.11	100.00	3499.59	-32.08	32.08	S	24.62	W	40.44	217.50	0.72	0.70	-5.13

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EP ENERGY

Company:	EP Energy	**Job Number:**	
Well:	Lake Fork Ranch 4-19B3	**Mag Decl.:**	
Location:	Duchesne, UT	**Dir Driller:**	
Rig:	Patterson 307	**MWD Eng:**	

Calculation Method	Minimum Curvature
Proposed Azimuth	0.00
Depth Reference	KB
Tie Into:	Gyro/MWD

Survey Number	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates N/S (ft)		Coordinates E/W (ft)		Closure Distance (ft)	Closure Direction Azimuth	Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
36	3600.00	1.67	219.64	100.00	3599.53	-34.88	34.88	S	26.73	W	43.94	217.46	0.70	-0.68	4.53
37	3700.00	1.54	225.80	100.00	3699.49	-36.93	36.93	S	28.62	W	46.72	217.77	0.21	-0.13	6.16
38	3800.00	1.25	231.93	100.00	3799.46	-38.54	38.54	S	30.44	W	49.11	218.30	0.33	-0.29	6.13
39	3900.00	1.49	230.09	100.00	3899.43	-40.05	40.05	S	32.29	W	51.45	218.88	0.25	0.25	-1.84
40	4000.00	1.72	229.93	100.00	3999.39	-41.85	41.85	S	34.44	W	54.20	219.45	0.23	0.23	-0.16
41	4100.00	1.57	238.22	100.00	4099.35	-43.53	43.53	S	36.75	W	56.97	220.17	0.28	-0.15	8.29
42	4200.00	1.39	238.09	100.00	4199.31	-44.90	44.90	S	38.94	W	59.43	220.94	0.17	-0.17	-0.13
43	4300.00	1.01	225.62	100.00	4299.29	-46.16	46.16	S	40.60	W	61.47	221.34	0.46	-0.38	-12.48
44	4400.00	0.98	199.82	100.00	4399.28	-47.58	47.58	S	41.53	W	63.16	221.11	0.45	-0.03	-25.80
45	4500.00	1.27	211.14	100.00	4499.26	-49.34	49.34	S	42.39	W	65.05	220.67	0.36	0.29	11.32
46	4600.00	0.94	218.81	100.00	4599.24	-50.93	50.93	S	43.48	W	66.96	220.49	0.36	-0.33	7.67
47	4700.00	1.38	197.01	100.00	4699.22	-52.72	52.72	S	44.35	W	68.89	220.07	0.61	0.44	-21.80
48	4800.00	1.43	180.69	100.00	4799.19	-55.11	55.11	S	44.71	W	70.97	219.05	0.40	0.05	-16.33
49	4900.00	1.78	180.56	100.00	4899.15	-57.91	57.91	S	44.74	W	73.18	217.69	0.35	0.35	-0.13
50	5000.00	1.58	185.20	100.00	4999.11	-60.83	60.83	S	44.88	W	75.60	216.42	0.23	-0.19	4.65
51	5100.00	1.43	182.67	100.00	5099.07	-63.45	63.45	S	45.07	W	77.83	215.38	0.17	-0.16	-2.54
52	5200.00	1.58	167.48	100.00	5199.04	-66.04	66.04	S	44.82	W	79.82	214.16	0.43	0.16	-15.19
53	5250.00	1.84	180.07	50.00	5249.02	-67.52	67.52	S	44.68	W	80.96	213.49	0.91	0.52	25.17
54	5394.00	2.09	175.66	144.00	5392.93	-72.46	72.46	S	44.48	W	85.02	211.54	0.20	0.17	-3.06
55	5490.00	0.51	128.70	96.00	5488.90	-74.47	74.47	S	44.01	W	86.50	210.58	1.86	-1.65	-48.92
56	5587.00	1.53	28.99	97.00	5585.89	-73.61	73.61	S	43.05	W	85.27	210.32	1.74	1.05	-102.79
57	5681.00	3.59	23.09	94.00	5679.79	-69.80	69.80	S	41.29	W	81.10	210.60	2.21	2.19	-6.28
58	5777.00	5.57	30.07	96.00	5775.48	-63.00	63.00	S	37.77	W	73.46	210.94	2.14	2.06	7.27
59	5873.00	5.30	356.99	96.00	5871.07	-54.54	54.54	S	35.67	W	65.17	213.18	3.23	-0.28	340.54
60	5969.00	7.42	346.34	96.00	5966.48	-44.09	44.09	S	37.37	W	57.80	220.28	2.52	2.21	-11.09
61	6062.00	8.96	354.63	93.00	6058.53	-31.04	31.04	S	39.46	W	50.21	231.81	2.08	1.66	8.91
62	6157.00	8.28	351.92	95.00	6152.46	-16.91	16.91	S	41.12	W	44.46	247.65	0.83	-0.72	-2.85
63	6253.00	7.68	353.78	96.00	6247.53	-3.68	3.68	S	42.78	W	42.94	265.08	0.68	-0.63	1.94
64	6348.00	6.41	357.04	95.00	6341.81	7.92	7.92	N	43.75	W	44.46	280.27	1.40	-1.34	3.43
65	6444.00	6.20	5.07	96.00	6437.23	18.44	18.44	N	43.56	W	47.31	292.94	0.94	-0.22	-366.64
66	6539.00	7.18	7.13	95.00	6531.59	29.44	29.44	N	42.37	W	51.60	304.79	1.06	1.03	2.17
67	6635.00	7.72	9.00	96.00	6626.77	41.76	41.76	N	40.62	W	58.26	315.79	0.62	0.56	1.95
68	6730.00	7.85	11.12	95.00	6720.90	54.43	54.43	N	38.37	W	66.60	324.82	0.33	0.14	2.23
69	6826.00	5.89	11.06	96.00	6816.21	65.70	65.70	N	36.16	W	74.99	331.17	2.04	-2.04	-0.06
70	6921.00	7.02	12.42	95.00	6910.60	76.15	76.15	N	33.98	W	83.39	335.95	1.20	1.19	1.43
71	7017.00	8.81	8.19	96.00	7005.68	89.16	89.16	N	31.67	W	94.62	340.44	1.96	1.86	-4.41
72	7112.00	8.06	10.74	95.00	7099.66	102.90	102.90	N	29.39	W	107.02	344.06	0.88	-0.79	2.68

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EP ENERGY

Company:	EP Energy	**Job Number:**		**Calculation Method**	Minimum Curvature
Well:	Lake Fork Ranch 4-19B3	**Mag Decl.:**		**Proposed Azimuth**	0.00
Location:	Duchesne, UT	**Dir Driller:**		**Depth Reference**	KB
Rig:	Patterson 307	**MWD Eng:**		**Tie Into:**	Gyro/MWD

Survey Number	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates N/S (ft)		Coordinates E/W (ft)		Closure Distance (ft)	Closure Direction Azimuth	Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
73	7208.00	7.24	2.91	96.00	7194.80	115.56	115.56	N	27.83	W	118.86	346.46	1.38	-0.85	-8.16
74	7304.00	6.35	359.84	96.00	7290.13	126.91	126.91	N	27.54	W	129.86	347.76	1.00	-0.93	371.80
75	7400.00	6.96	2.24	96.00	7385.48	138.03	138.03	N	27.33	W	140.71	348.80	0.70	0.64	-372.50
76	7496.00	6.50	6.62	96.00	7480.82	149.24	149.24	N	26.47	W	151.57	349.94	0.72	-0.48	4.56
77	7591.00	5.52	356.84	95.00	7575.30	159.14	159.14	N	26.10	W	161.27	350.68	1.49	-1.03	368.65
78	7687.00	7.03	347.10	96.00	7670.72	169.48	169.48	N	27.67	W	171.72	350.73	1.92	1.57	-10.15
79	7783.00	6.97	343.70	96.00	7766.01	180.80	180.80	N	30.62	W	183.37	350.39	0.44	-0.06	-3.54
80	7879.00	5.22	337.90	96.00	7861.46	190.43	190.43	N	33.89	W	193.43	349.91	1.93	-1.82	-6.04
81	7974.00	4.00	327.30	95.00	7956.16	197.23	197.23	N	37.31	W	200.72	349.29	1.56	-1.28	-11.16
82	8070.00	3.00	324.72	96.00	8051.98	202.10	202.10	N	40.57	W	206.13	348.65	1.05	-1.04	-2.69
83	8164.00	2.80	324.79	94.00	8145.86	205.98	205.98	N	43.31	W	210.48	348.12	0.21	-0.21	0.07
84	8260.00	3.19	348.52	96.00	8241.73	210.51	210.51	N	45.20	W	215.31	347.88	1.34	0.41	24.72
85	8355.00	1.96	336.61	95.00	8336.63	214.59	214.59	N	46.37	W	219.55	347.81	1.41	-1.29	-12.54
86	8451.00	0.84	307.39	96.00	8432.60	216.53	216.53	N	47.58	W	221.69	347.61	1.35	-1.17	-30.44
87	8546.00	0.56	250.77	95.00	8527.60	216.80	216.80	N	48.57	W	222.17	347.37	0.75	-0.29	-59.60
88	8642.00	0.72	214.51	96.00	8623.59	216.15	216.15	N	49.36	W	221.71	347.14	0.44	0.17	-37.77
89	8738.00	1.00	197.77	96.00	8719.58	214.85	214.85	N	49.95	W	220.58	346.91	0.39	0.29	-17.44
90	8833.00	1.43	197.39	95.00	8814.56	212.93	212.93	N	50.56	W	218.85	346.64	0.45	0.45	-0.40
91	8928.00	1.76	207.03	95.00	8909.52	210.50	210.50	N	51.58	W	216.73	346.23	0.45	0.35	10.15
92	9022.00	1.95	197.57	94.00	9003.47	207.69	207.69	N	52.72	W	214.28	345.76	0.38	0.20	-10.06
93	9117.00	1.82	193.87	95.00	9098.42	204.68	204.68	N	53.57	W	211.58	345.33	0.19	-0.14	-3.89
94	9212.00	2.52	184.11	95.00	9193.35	201.14	201.14	N	54.08	W	208.28	344.95	0.83	0.74	-10.27
95	9307.00	2.54	169.87	95.00	9288.26	196.98	196.98	N	53.86	W	204.21	344.71	0.66	0.02	-14.99
96	9403.00	2.22	166.38	96.00	9384.18	193.08	193.08	N	53.05	W	200.23	344.64	0.37	-0.33	-3.64
97	9498.00	2.19	159.49	95.00	9479.11	189.59	189.59	N	51.98	W	196.59	344.67	0.28	-0.03	-7.25
98	9594.00	2.89	176.09	96.00	9575.01	185.46	185.46	N	51.17	W	192.39	344.58	1.05	0.73	17.29
99	9689.00	3.22	191.55	95.00	9669.88	180.46	180.46	N	51.54	W	187.67	344.06	0.93	0.35	16.27
100	9785.00	2.99	197.91	96.00	9765.74	175.43	175.43	N	52.85	W	183.22	343.23	0.43	-0.24	6.62
101	9880.00	2.87	201.50	95.00	9860.61	170.86	170.86	N	54.48	W	179.34	342.31	0.23	-0.13	3.78
102	9976.00	3.16	189.44	96.00	9956.48	166.02	166.02	N	55.80	W	175.14	341.42	0.72	0.30	-12.56
103	10071.00	2.10	189.11	95.00	10051.38	161.71	161.71	N	56.50	W	171.30	340.74	1.12	-1.12	-0.35
104	10166.00	1.49	189.82	95.00	10146.33	158.78	158.78	N	56.99	W	168.70	340.26	0.64	-0.64	0.75
105	10262.00	1.77	157.25	96.00	10242.30	156.18	156.18	N	56.63	W	166.13	340.07	0.99	0.29	-33.93
106	10358.00	0.90	109.41	96.00	10338.27	154.56	154.56	N	55.34	W	164.17	340.30	1.40	-0.91	-49.83
107	10541.00	1.50	131.00	183.00	10521.23	152.51	152.51	N	52.18	W	161.19	341.11	0.41	0.33	11.80
108	10728.00	2.50	140.00	187.00	10708.12	147.78	147.78	N	47.71	W	155.29	342.11	0.56	0.53	4.81
109	10898.00	2.40	152.00	170.00	10877.96	141.80	141.80	N	43.66	W	148.37	342.89	0.31	-0.06	7.06

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EP ENERGY

Company:	EP Energy	**Job Number:**		**Calculation Method**	Minimum Curvature
Well:	Lake Fork Ranch 4-19B3	**Mag Decl.:**		**Proposed Azimuth**	0.00
Location:	Duchesne, UT	**Dir Driller:**		**Depth Reference**	KB
Rig:	Patterson 307	**MWD Eng:**		**Tie Into:**	Gyro/MWD

Survey Number	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates N/S (ft)		Coordinates E/W (ft)		Closure Distance (ft)	Closure Direction Azimuth	Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
110	11087.00	1.70	177.00	189.00	11066.84	135.51	135.51	N	41.65	W	141.76	342.91	0.59	-0.37	13.23
111	11302.00	1.60	184.00	215.00	11281.75	129.33	129.33	N	41.70	W	135.88	342.13	0.10	-0.05	3.26
112	11489.00	1.70	170.00	187.00	11468.68	123.99	123.99	N	41.40	W	130.72	341.54	0.22	0.05	-7.49
113	11679.00	2.90	179.00	190.00	11658.52	116.41	116.41	N	40.82	W	123.36	340.68	0.66	0.63	4.74
114	11862.00	3.20	179.00	183.00	11841.26	106.67	106.67	N	40.65	W	114.16	339.14	0.16	0.16	0.00
115	12038.00	2.90	198.00	176.00	12017.02	97.53	97.53	N	41.94	W	106.17	336.73	0.60	-0.17	10.80
116	12247.00	2.70	198.00	209.00	12225.77	87.82	87.82	N	45.10	W	98.72	332.82	0.10	-0.10	0.00
117	12438.00	1.90	205.00	191.00	12416.61	80.67	80.67	N	47.83	W	93.78	329.34	0.44	-0.42	3.66
118	12605.00	2.00	219.00	167.00	12583.52	75.90	75.90	N	50.83	W	91.35	326.19	0.29	0.06	8.38
119	12908.00	3.10	197.00	303.00	12886.22	63.95	63.95	N	56.55	W	85.37	318.51	0.48	0.36	-7.26
120	13096.00	2.30	227.00	188.00	13074.02	56.52	56.52	N	60.80	W	83.01	312.91	0.85	-0.43	15.96
121	13266.00	2.40	221.00	170.00	13243.88	51.51	51.51	N	65.63	W	83.43	308.12	0.16	0.06	-3.53
122	13494.00	3.20	191.00	228.00	13471.61	41.65	41.65	N	69.98	W	81.43	300.76	0.72	0.35	-13.16
123	13525.00	3.20	191.00	31.00	13502.56	39.96	39.96	N	70.31	W	80.87	299.61	0.00	0.00	0.00

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CENTRAL DIVISION

ALTAMONT FIELD
LAKE FORK RANCH 4-19B3
LAKE FORK RANCH 4-19B3
DRILLING LAND

Operation Summary Report

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1 General

1.1 Customer Information

Company	CENTRAL DIVISION
Representative	
Address	

1.2 Well Information

Well	LAKE FORK RANCH 4-19B3		
Project	ALTAMONT FIELD	**Site**	LAKE FORK RANCH 4-19B3
Rig Name/No.	PATTERSON/307	**Event**	DRILLING LAND
Start date	1/5/2015	**End date**	1/30/2015
Spud Date/Time	1/5/2015	**UWI**	LAKE FORK RANCH 4-19B3
Active datum	KB @6,012.0ft (above Mean Sea Level)		
Afe No./Description	163220/52967 / LAKE FORK RANCH 4-19B3		

2 Summary

2.1 Operation Summary

Date	Time Start-End		Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
12/30/2014	6:00	17:00	11.00	MIRU	01		P	929.0	MIRU. 30% MOVED IN. 10% RIGGED UP.
	17:00	6:00	13.00	MIRU	01		P	929.0	SDFN.
12/31/2014	6:00	17:00	11.00	MIRU	01		P	929.0	MIRU. 80% MOVED IN. 40% RIGGED UP.
	17:00	6:00	13.00	MIRU	01		P	929.0	SDFN.
1/1/2015	6:00	17:00	11.00	MIRU	01		P	929.0	MIRU. 100% MOVED IN. 55% RIGGED UP.
	17:00	6:00	13.00	MIRU	01		P	929.0	SDFN.
1/2/2015	6:00	17:00	11.00	MIRU	01		P	929.0	RIGGED UP. 70% RIGGED UP.
	17:00	6:00	13.00	MIRU	01		P	929.0	SDFN.
1/3/2015	6:00	6:00	24.00	MIRU	01		P	929.0	RIGGED UP. 85% RIGGED UP.
1/4/2015	6:00	6:00	24.00	MIRU	01		P	929.0	RIGGED UP. 95% RIGGED UP.
1/5/2015	6:00	11:30	5.50	MIRU	01		P	929.0	FINISHED RIG UP. PERFORMED S & E INSPECTION. RIG ON DAY RATE AT 11:30 HOURS, 01-04-2014.
	11:30	16:00	4.50	CASCOND	28		P	929.0	TESTED CHOKE MANIFOLD 250 / 10,000 PSI WHILE NU 13 5/8" 5M DRLG SPOOL & ANNULAR DIVERTER BOPE ONTO 13 5/8" 3M WELL HEAD.
	16:00	20:00	4.00	CASCOND	19		P	929.0	MIXED SPUD MUD WHILE TESTED ALL DIVERTER BOPE 250 / 2,500 PSI. TESTED FLOOR VALVES, TDU, ETC 250 / 5,000 PSI. HELD EACH TEST >10 MINUTES. RD TESTER.
	20:00	2:00	6.00	CASCOND	28		P	929.0	RU SCAFFOLDING. NU SMITH'S 13 5/8" ROTATING HEAD, SPOOL, & FLOW LINE.
	2:00	6:00	4.00	CASCOND	14		P	929.0	PUMU BIT & BHA.
1/6/2015	6:00	7:00	1.00	CASCOND	14		P	929.0	PUMU 5" DRILL PIPE.
	7:00	8:00	1.00	CASCOND	31		P	929.0	C&C MUD. SUCCESSFULLY TESTED CASING T0 1,000 PSI FOR >30 MINUTES.
	8:00	9:30	1.50	CASCOND	32		P	929.0	DRILLED OUT CEMENT & FLOAT EQUIPMENT.
	9:30	13:00	3.50	DRLSURF	07		P	929.0	SPUDDED 12 1/4" HOLE ON 01/05/2015 AT 09:30 HRS. DRILLED 929'-1,342'
	13:00	13:30	0.50	DRLSURF	12		P	1,342.0	LUBRICATED RIG, SL SURVEY AT 1,288'=0.32°
	13:30	20:00	6.50	DRLSURF	07		P	1,342.0	DRILLED 1,342'- 2,329'.
	20:00	20:30	0.50	DRLSURF	11		P	2,329.0	SL SURVEY AT 2,298' = 0.81°
	20:30	4:00	7.50	DRLSURF	07		P	2,329.0	DRILLED 2,329' - 3,314'.
	4:00	5:00	1.00	DRLSURF	12		P	3,314.0	CIRC, SL SURVEY ATTEMPTED AT 3,284' WAS A MISRUN.
	5:00	6:00	1.00	DRLSURF	07		P	3,314.0	DRILLED 3,314'- 3,400'.

2.1 Operation Summary (Continued)

Date	Time Start-End		Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
1/7/2015	6:00	7:30	1.50	DRLSURF	07		P	3,400.0	DRILLED 3,400' - 3,570'
	7:30	8:00	0.50	DRLSURF	11		P	3,570.0	SL SURVEY AT 3,570' = 1.94°
	8:00	14:00	6.00	DRLSURF	07		P	3,570.0	DRILLED 3,570' - 4,078'
	14:00	14:30	0.50	DRLSURF	12		P	4,078.0	LUBRICATE RIG
	14:30	15:00	0.50	DRLSURF	07		P	4,078.0	DRILLED 4,078' - 4,086'
	15:00	15:30	0.50	DRLSURF	45		N	4,086.0	CIRC W/ #2 MUD PUMP WHILE WORKING ON #1 PUMP.
	15:30	16:30	1.00	DRLSURF	07		P	4,086.0	DRILLED 4,086' - 4,107'
	16:30	1:30	9.00	DRLSURF	45		N	4,107.0	CIRC W/ #2 MUD PUMP WHILE WORKING ON #1 PUMP. PATTERSON SUPT CAME OUT AND ASSISTED. WENT THROUGH ENTIRE PUMP DUE TO PUMP PSI NOT THE SAME ON THE HOLE. -300 PSI DROP. C/O ALL VALVE GUIDES, AND SEATS.
	1:30	4:30	3.00	DRLSURF	07		P	4,107.0	DRILLED 4,107' - 4,247'
	4:30	6:00	1.50	DRLSURF	45		N	4,247.0	CHANGE OUT SWABS ON #1 PUMP
1/8/2015	6:00	11:00	5.00	DRLSURF	07		P	4,247.0	DRILLED 4,247' - 4,556'
	11:00	11:30	0.50	DRLSURF	15		P	4,556.0	CIRC BOTTOMS UP FOR SURVEY
	11:30	12:00	0.50	DRLSURF	11		P	4,556.0	DEVIATION SURVEY 1.6 INC @ 4524'
	12:00	15:00	3.00	DRLSURF	07		P	4,556.0	DRILLED 4,556' - 4,732
	15:00	16:00	1.00	DRLSURF	15		P	4,732.0	CIRC W/ LCM TO GET RETURNS
	16:00	6:00	14.00	DRLSURF	07		P	4,732.0	DRILLED 4,732' - 5,125'
1/9/2015	6:00	7:00	1.00	DRLSURF	15		P	5,125.0	C & C HOLE FOR TRIP
	7:00	8:00	1.00	DRLSURF	13		P	5,125.0	TOOH TO 4625'
	8:00	8:30	0.50	DRLSURF	12		P	5,125.0	CIRC WHILE WORK ON ST-80
	8:30	15:30	7.00	DRLSURF	13		P	5,125.0	TOOH BACK REAMING F/ 4625' T/ 2243' TIGHT SPOTS @ 4603' - 4547', 3760' - 3279'
	15:30	16:00	0.50	DRLSURF	15		P	5,125.0	C & C HOLE, TRYING TO PACK OFF
	16:00	0:00	8.00	DRLSURF	13		P	5,125.0	TOOH BACK REAMING F/ 2243' T/ SHOE @ 929'
	0:00	2:00	2.00	DRLSURF	14		P	5,125.0	CHANGE OUT BIT & MUD MOTOR
	2:00	6:00	4.00	DRLSURF	13		P	5,125.0	TIH, BREAK CIRC & CIRC BU EVERY 1000'
1/10/2015	6:00	8:00	2.00	DRLSURF	13		P	5,125.0	TIH, BREAK CIRC & CIRC BU EVERY 1000'
	8:00	12:00	4.00	DRLSURF	16		P	5,125.0	WASH & REAM FROM 4,369' TO 5,125' HARD REAMING FROM 4,493 TO 4,858'.
	12:00	14:30	2.50	DRLSURF	07		P	5,125.0	DRILL F/ 5,125' TO 5,328'.
	14:30	15:30	1.00	DRLSURF	15		P	5,328.0	CIRC AND CONDITION FOR GYRO SURVEY.
	15:30	18:00	2.50	DRLSURF	11		P	5,328.0	RUN GYRO SURVEY.
	18:00	19:30	1.50	DRLSURF	15		P	5,328.0	PUMP SWEEP / CIRC BU / CONDITION HOLE FOR CASING
	19:30	23:30	4.00	DRLSURF	13		P	5,328.0	BLOW DOWN TOP DRIVE / TOH TO BHA
	23:30	2:00	2.50	DRLSURF	14		P	5,328.0	LAYDOWN COLLARS & MOTOR
	2:00	2:30	0.50	DRLSURF	41		P	5,328.0	SAFETY METTING WITH CASING CREW
	2:30	3:00	0.50	CASSURF	24		P	5,328.0	RIG UP CASING CREW
	3:00	6:00	3.00	CASSURF	24		P	5,328.0	M/U FLOAT & SHOE & TEST SAME WELD SHOE TRACK RUN 27 JTS OF 9 5/8" 40# N-80 LT&C BREAK CIRC EVERY 1000' & CIRC B/U
1/11/2015	6:00	12:00	6.00	CASSURF	24		P	5,328.0	RUN 135 JTS. OF 40# HCL-80 LTC 9-5/8" CSG. CIRC. B/U @ 13-3/8" SHOE, @ 2,000', 3,000', 4000'. WASH DOWN 9-5/8" CASING FROM 5,300' TO 5,328'.
	12:00	13:00	1.00	CASSURF	47		N	5,328.0	WORK ON EDR FOR DRAWWORKS
	13:00	20:00	7.00	CASSURF	24		P	5,328.0	FINISH RUNNING CASING TO BOTTOM FROM 3000'
	20:00	21:00	1.00	CASSURF	15		P	5,328.0	RIG DOWN CASING CREW / CIRC B/U

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2.1 Operation Summary (Continued)

Date	Time Start-End		Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
	21:00	1:00	4.00	CASSURF	25		P	5,328.0	PJSM. RU & TEST LINES TO 5,000 PSI. PUMP 100 BBLS SPACER MIX & PUMP 1020 SX,405 BBLS LEAD CMT WITH 2.23 YLD @ 12.0 PPG. TAIL WITH 485 SX, 112 BBLS, 1.30 YLD @ 14.2 PPG. DISPLACED 9-5/8" CSG. WITH 405 BBLS. OF 9.6 PPG MUD @ 7 BPM. BUMPED PLUG @ 01:05 HRS. WITH 1200 PSI. BLED BACK 2 BBL. FLOATS HELD. FULL RETURNS THROUGH HALF OF DISPLACEMENT THEN DROPPED TO 50% RETURNS. NO CEMENT TO SURFACE
	1:00	3:00	2.00	CASSURF	25		P	5,328.0	R/D CEMENT HEAD & RIG UP FLOOR TO DO 1" TOP OUT JOB WITH CEMENT
	3:00	5:00	2.00	CASSURF	26		P	5,328.0	WAIT ON CEMENT
	5:00	6:00	1.00	CASSURF	25		P	5,328.0	PERFORM A TOP CEMENT JOB
1/12/2015	6:00	12:00	6.00	CASSURF	29		P	5,328.0	FLUSH STACK & FLOW LINE / NIPPLE DOWN SURFACE ANNULAR & ROT HEAD FLY IN NEW STACK & 10K ANNULAR W/ CRANE / CUT OFF WELLHEAD & WELD ON NEW WELLHEAD / INSTALL B SECTION
	12:00	18:00	6.00	CASSURF	28		P	5,328.0	NIPPLE UP BOPE STACK WITH 10K ANNULAR / DOUBLE GATE & SINGLE GATE
	18:00	2:00	8.00	CASSURF	28		P	5,328.0	TORQUE ALL BOLTS ON BOPE / INSTALL ROTATING HEAD, REMOTE KILL LINE,
	2:00	6:00	4.00	CASSURF	19		P	5,328.0	PRESSURE TEST BOPE TESTED ANNULAR TO 250 PSI LOW/2,500 PSI HIGH. REMAINDER BOPE TESTED TO 250 PSI LOW/5,000 PSI HIGH & HELD >10 MINUTES EACH TEST.
1/13/2015	6:00	8:00	2.00	DRLINT1	30		P	5,328.0	FINISH TESTING BOPE.
	8:00	9:00	1.00	DRLINT1	31		P	5,328.0	TEST CASING TO 2500 PSI FOR 30 MINS.
	9:00	11:00	2.00	DRLINT1	42		P	5,328.0	SET WEAR BUSHING & INSTALL FLOW LINE.
	11:00	14:30	3.50	DRLINT1	14		P	5,328.0	P/UP BHA.
	14:30	17:30	3.00	DRLINT1	13		P	5,328.0	TRIP IN HOLE.
	17:30	18:00	0.50	DRLINT1	32		P	5,328.0	DRILLED CEMENT & SHOE TRACK & 10' NEW HOLE TO 5,338'.
	18:00	18:30	0.50	DRLINT1	15		P	5,338.0	C & C HOLE FOR FIT
	18:30	19:00	0.50	DRLINT1	33		P	5,338.0	PERFORM FIT TO EMW OF 15.4
	19:00	23:00	4.00	DRLINT1	08		P	5,338.0	DRILL INTERMEDIATE F/ 5,338' T/ 5,610'
	23:00	23:30	0.50	DRLINT1	57		N	5,610.0	BUILD SLUG & PUMP TO TOH FOR MOTOR
	23:30	4:00	4.50	DRLINT1	13		N	5,610.0	TOH FOR MOTOR CHANGE
	4:00	5:00	1.00	DRLINT1	14		N	5,610.0	CHANGE OUT MOTOR & BIT MOTOR DRAINED BUT STILL SHOWED SIGNS OF INTERNAL DAMAGE
	5:00	6:00	1.00	DRLINT1	13		N	5,610.0	TIH WITH NEW MOTOR & BIT
1/14/2015	6:00	9:00	3.00	DRLINT1	13		N	5,610.0	TRIP IN HOLE B/ CIRC & WASH 90' TO BOTTOM.
	9:00	12:00	3.00	DRLINT1	07		P	5,610.0	DRILLING F/ 5,610' TO 5,768.
	12:00	12:30	0.50	DRLINT1	12		P	5,768.0	RIG SERVICE.
	12:30	13:30	1.00	DRLINT1	44		N	5,768.0	WORKING ON DRAW WORKS.
	13:30	6:00	16.50	DRLINT1	07		P	5,768.0	DRILLING F/ 5,768' TO 6,910'
1/15/2015	6:00	16:30	10.50	DRLINT1	08		P	6,910.0	DRILL F/ 6,910' T/ 7,365'
	16:30	17:00	0.50	DRLINT1	12		P	7,365.0	RIG SERVICE
	17:00	6:00	13.00	DRLINT1	08		P	7,365.0	DRILL F/ 7,365' T/ 7,650'
1/16/2015	6:00	6:00	24.00	DRLINT1	07		P	7,650.0	DRILL F/ 7650 T/ 9,368'
1/17/2015	6:00	15:00	9.00	DRLINT1	07		P	9,368.0	DRILL F/ 9,368' TO 9,846'.
	15:00	15:30	0.50	DRLINT1	12		P	9,846.0	RIG SERVICE.
	15:30	6:00	14.50	DRLINT1	07		P	9,846.0	DRILL F/ 9,846' T/ 10,323'
1/18/2015	6:00	10:30	4.50	DRLINT1	07		P	10,305.0	DRILLING FROM 10,305' TO 10,430'
	10:30	12:30	2.00	DRLINT1	15		P	10,430.0	CIRCULATE AND CONDITION MUD. RAISE MUD WEIGHT TO 11.8 PPG. SIMULATE CONNECTION.

2.1 Operation Summary (Continued)

Date	Time Start-End		Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
	12:30	21:00	8.50	DRLINT1	12		P	10,430.0	TOH TO L/D DIRECTIONAL TOOLS TIGHT SPOTS F/ 8700- T/ 6700'
	21:00	23:00	2.00	DRLINT1	14		P	10,430.0	L/D DIRECTIONAL TOOLS / CLEAN FLOOR
	23:00	2:30	3.50	DRLINT1	13		P	10,430.0	M/U BIT & TIH TO CASING SHOE
	2:30	3:00	0.50	DRLINT1	15		P	10,430.0	CIRC B/U
	3:00	3:30	0.50	DRLINT1	12		P	10,430.0	RIG SERVICE
	3:30	4:30	1.00	DRLINT1	43		N	10,430.0	REPAIR TOP DRIVE ROTATING LINK ADAPTER
	4:30	6:00	1.50	DRLINT1	17		P	10,430.0	CUT & SLIP DRILL LINE
1/19/2015	6:00	22:00	16.00	DRLINT1	43		N	10,430.0	WORK & REPAIR TOP DRIVE / ROTATING LINK
	22:00	22:30	0.50	DRLINT1	15		P	10,430.0	CIRC BU @ CASING SHOE
	22:30	23:30	1.00	DRLINT1	13		P	10,430.0	TIH
	23:30	0:30	1.00	DRLINT1	15		P	10,430.0	CIRCULATE B/U @ 7300'
	0:30	6:00	5.50	DRLINT1	13		P	10,430.0	TIH WORKING TIGHT SPOTS, 7425, 7550, 7900
1/20/2015	6:00	7:30	1.50	DRLINT1	13		P	10,430.0	TIH FROM 9440' TO 10,430'. WASH AND REAM BRIDGES.
	7:30	9:00	1.50	DRLINT1	15		P	10,430.0	CIRCULATE AND CONDITION MUD.
	9:00	20:30	11.50	DRLINT1	14		P	10,430.0	LDDP
	20:30	21:00	0.50	DRLINT1	42		P	10,430.0	PULL WEAR BUSHING
	21:00	2:00	5.00	DRLINT1	42		P	10,430.0	RIG UP LOGGERS / LOG OPEN HOLE, UNABLE TO GET DOWN PAST 7600' / RIG DOWN LOGGING UNIT
	2:00	2:30	0.50	CASINT1	12		P	10,430.0	RIG SERVICE
	2:30	3:30	1.00	CASINT1	24		P	10,430.0	PJSM / RIG UP CASING CREW / TORQUE TURN
	3:30	4:00	0.50	CASINT1	24		P	10,430.0	M/U SHOE TRACK & TEST SAME
	4:00	6:00	2.00	CASINT1	24		P	10,430.0	RUN 40 JTS OF 7" 29# HCP-110 LT&C
1/21/2015	6:00	21:30	15.50	CASINT1	24		P	10,430.0	SIH WITH 186 JTS OF 7", 29#, HCP-110, LT&C INTERMEDIATE CASING. FILLED EVERY 500'. CIRC EVERY 1,000'.
	21:30	22:30	1.00	CASINT1	15		P	10,430.0	CIR, WORK ON BRIDGES F. 7,614' / 8,269'
	22:30	1:30	3.00	CASINT1	15		P	10,430.0	HAD TROUBLE CIRCUALTING, WORKED CASING, PULLED TIGHT GOING UP AT 8,557' PULLED 70K OVER.
	1:30	6:00	4.50	CASINT1	24		P	10,430.0	SIH WITH 242 JTS OF 7" 29# HCP-110 LT&C INTERMEDIATE CASING. FILLED EVERY 500'. CIRC EVERY 1,000' AT 9,928'.
1/22/2015	6:00	7:30	1.50	CASINT1	24		P	10,430.0	FINISHED SIH. RAN A TOTAL OF 251 JTS, 2 PUPS OF 7", 29#, HCP-110, LTC INTERMEDIATE CASING - MAKER PUP 8,462' / 8,471' - FC: 10,376' FS: 10,420'.
	7:30	11:00	3.50	CASINT1	15		P	10,430.0	SPACED OUT, LAID DOWN 2 TAG JOINTS & RH RUBBER. MU LANDING JT & RH RUBBER. MU HES' CMT HEAD. C & C MUD 3 TO 5 BPM AT 11.4 PPG. MAX GAS 9,500 UNITS WITH MW CUT TO 11.0 PPG.
	11:00	14:00	3.00	CASINT1	25		P	10,430.0	M & P 40 BBLS TUNED SPACER 12.0 PPG AT 4 BPM. M&P 345 SXS / 117 BBLS OF 12.5 PPG EXPANDACEM "G" LEAD CMT AT 1.91 YLD, THEN TAILED WITH 330 SXS / 96 BBLS OF 13.0 PPG EXPANDACEM "G" CMT 1.64 YLD AT 6 BPM. RELEASED PLUG. DISPLACED WITH 365 BBLS OF 11.4 PPG MUD PLUS 20 BBLS OF FW AT 6 BPM. FULL RETURNS THROUGHOUT. FCP 1,200 PSI, BUMPED PLUG TO 1,650 PSI. 2 BBLS BLED BACK, FLOATS HELD. CIP AT 13:15 HRS, 01/21/2015.
	14:00	15:30	1.50	CASINT1	42		P	10,430.0	FLUSHED OUT STACK WITH FW. LANDED CASING ON HANGER WITH NEUTRAL WT AT 230K. SHOE AT 10,420'. LD LANDING JOINT. RD BAILS & ELEVATORS.
	15:30	17:30	2.00	CASINT1	42		P	10,430.0	REPLACED SAVER SUB AND BELL GUIDE ON TDU. DRESSED RIG FLOOR.
	17:30	18:30	1.00	CASINT1	27		P	10,430.0	INSTALLED AND LOCKED PACKOFF. TESTED PACKOFF TO 5,000 PSI FOR >10 MINUTES.

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2.1 Operation Summary (Continued)

Date	Time Start-End		Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
	18:30	4:30	10.00	CASINT1	30		P	10,430.0	TESTED ANNULAR 250 PSI LOW / 5,000 PSI HIGH. TESTED FLOOR VALVES & REMAINDER OF 11" 10 M BOPE 250 LOW & 10,000 PSI. HELD ALL TESTS >10 MINUTES. NOTE: RUPTURED ROTARY HOSE TATTLE TAIL AT 5,000 PSI. TDU WEAR SUB GALLED WHEN BROKE OFF FLOOR VALVE AFTER TESTING IT.
	4:30	5:00	0.50	CASINT1	45		P	10,430.0	TESTED CSG TO 2,500 PSI FOR 30 MINUTES.
	5:00	6:00	1.00	CASINT1	47		N	10,430.0	REPLACE GALLED TDU 4" XT-39 WEAR SUB.
1/23/2015	6:00	7:00	1.00	CASINT1	47		N	10,430.0	FINISHED REPLACING GALLED TDU 4" XT-39 WEAR SUB.
	7:00	13:30	6.50	CASINT1	14		P	10,430.0	PUMU 6-1/8" PACKED HOLE ASSEMBLY & DCs. PUMU 4" XT-39 DP FROM RACKS TO 3,500'.
	13:30	16:00	2.50	CASINT1	45		N	10,430.0	REPLACED LEAKING ROTARY HOSE.
	16:00	21:00	5.00	CASINT1	14		P	10,430.0	FILLED DP & CIRC FROM 3,500'. CONTINUED PUMU 4" DP TO 6,903'. FILLED DP, PRESSURED UP TO 3,000 PSI SEVERAL TIMES; UNABLE TO BREAK CIRC.
	21:00	2:30	5.50	CASINT1	71		N	10,430.0	TOOH LOOKING FOR PLUGGED DP - PULLED TO 3,498' TRIED TO PUMP, STILL PLUGGED - PULLED TO BHA, TRIED TO PUMP STILL PLUGGED - PULLED TO PRO-DRIFT SURVEY & FOUND COFFEE GROUND SIZED CUTTINGS PACKED IN SURVEY TOOL (CUTTINGS TOO SMALL FOR DP SCREEN TO CATCH). WASHED BHA CLEAN.
	2:30	3:00	0.50	CASINT1	71		N	10,430.0	BEGAN TIH BHA, RUPTURED HYDRAULIC HOSE ON ST-80.
	3:00	4:30	1.50	CASINT1	47		N	10,430.0	REPLACED ST-80 HYRAULIC HOSE.
	4:30	6:00	1.50	CASINT1	14		P	10,430.0	TIH WITH BHA, PUMU 4" DP FROM THE RACKS.
1/24/2015	6:00	6:30	0.50	CASINT1	12		P	10,430.0	SERVICED RIG & TDU.
	6:30	9:30	3.00	CASINT1	14		P	10,430.0	DERRICKMAN & ROUSTABOUTS CLEANED SUCTION TANK & PUMPS' SUCTION MANIFOLDS WHILE CONTINUED PUMU REMAINING 3,500' OF 4" XT-39 DP FROM RACKS.
	9:30	14:00	4.50	CASINT1	13		P	10,430.0	FILLED SUCTION TANK WITH CLEANER MUD. FILLED DP & BROKE CIRC. TIH, FILLED AT 1,500' INTERVALS. CLEANED MIDDLE TANK DURING TIH. INSERTED RH RUBBER.
	14:00	14:30	0.50	CASINT1	31		P	10,430.0	RETESTED CASING TO RECORD DATA POINTS FOR FIT CHART.
	14:30	16:00	1.50	CASINT1	32		P	10,430.0	DRILLED PLUG, FC, CEMENT, & SHOE. WASHED OUT RATHOLE 10,420 - 10,430'. DRILLED 10' OF NH TO 10,440'.
	16:00	17:30	1.50	DRLPRD	33		P	10,440.0	C & C 12.0 PPG WBM. PERFORMED 15.4 PPG EMW FIT.
	17:30	6:00	12.50	DRLPRD	07		P	10,440.0	DRILLED 10,440 - 10,850'.
1/25/2015	6:00	16:00	10.00	DRLPRD	07		P	10,850.0	DRILLED 10,850 - 11,230'.
	16:00	16:30	0.50	DRLPRD	12		P	11,230.0	SERVICED RIG & TDU.
	16:30	6:00	13.50	DRLPRD	07		P	11,230.0	DRILLED 11,230 - 11,740'. OCCASIONAL FLARE UP TO 20'.
1/26/2015	6:00	17:30	11.50	DRLPRD	07		P	11,740.0	LOST ALL RETURNS AT 11,740'. DRILLED 11,740' - 12,093'. OCCASIONAL FLARE UP TO 10'.
	17:30	18:00	0.50	DRLPRD	12		P	12,093.0	SERVICED RIG & TDU.
	18:00	6:00	12.00	DRLPRD	07		P	12,093.0	DRILLED 12,093' - 12,511'. OCCASIONAL FLARE (MOSTLY CG) UP TO 20'.
1/27/2015	6:00	15:00	9.00	DRLPRD	07		P	12,511.0	DRILLED 12,511' - 12,850'. CG UP TO 10'.
	15:00	15:30	0.50	DRLPRD	12		P	12,850.0	SERVICED RIG & TDU.
	15:30	6:00	14.50	DRLPRD	07		P	12,850.0	DRILLED 12,850' - 13,248'. CG FLARE UP TO 10'.
1/28/2015	6:00	21:00	15.00	DRLPRD	07		P	13,248.0	DRILLED 13,248' - 13,525' TD. CG UP TO 8'. INCREASED MW TO 13.8 PPG.
	21:00	22:30	1.50	DRLPRD	12		P	13,525.0	SURVEY - CIRCULATED BOTTOMS UP - MUD CUT 0.7 PPG - BTMS UP GAS 4,683 UNITS THRU MGS, BELCHING IN POSSUM BELLY - NO FLARE IMMEDIATELY. 1' TO 14' LAZY FLARE LATER.

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2.1 Operation Summary (Continued)

Date	Time Start-End		Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
	22:30	6:00	7.50	DRLPRD	15		P	13,525.0	CIRCULATED AT REDUCED RATE 130 GPM. INCREASED MUD WT TO 14.0 PPG. 2' TO 14' LAZY FLARE. ATTEMPTED TO TAKE OFF MGS AFTER GETTING 14.0 PPG MUD ALL AROUND, 2,439 UNITS, GAS CUT 0.5 PPG, GAS SHOT UP TO 7,007 UNITS, BACK ON MGS - INCREASED MUD WT TO 14.2 PPG. NO FLARE ART.
1/29/2015	6:00	9:30	3.50	DRLPRD	15		P	13,525.0	SIMULATED 15 MINUTE CONNECTION (WELL DEAD WITHIN 6 MINUTES). C & C 14.2 WBM AT 3 BPM. SHUT DOWN GAS MAXED 7,000 UNITS WITH MW CUT TO 13.5 PPG. INCREASED MW TO 14.5 PPG.
	9:30	12:30	3.00	DRLPRD	13		P	13,525.0	BACK-REAMED 5 STANDS. TOOH TO SHOE. PULLED SLOWLY TO LESSEN SWAB EFFECT.
	12:30	14:00	1.50	DRLPRD	13		P	13,525.0	TIH, FILLED HALFWAY IN.
	14:00	17:00	3.00	DRLPRD	15		P	13,525.0	C & C 14.5 WBM AT 2.2 BPM. WIPER TRIP GAS MAXED 5,300 UNITS WITH MW CUT TO 14.2 PPG. INCREASED MW TO 14.7 PPG. BEGAN LOSING 1 BPM WHILE BUILD & PUMP SLUG.
	17:00	0:30	7.50	EVLPRD	13		P	13,525.0	TOOH. PULLED SLOWLY 40' / MIN. TO LESSEN SWAB EFFECT INTO 7" CSG SHOE. INCREASED TRIP SPEED TO 50' / MIN. FLOW CK'D EVERY 20 STDS. NO FLOW.
	0:30	3:00	2.50	EVLPRD	14		P	13,525.0	REMOVE RH. LD BHA.
	3:00	6:00	3.00	EVLPRD	22		P	13,525.0	RU. RIH HES' ULTRA-SLIM QUAD-COMBO LOGS.
1/30/2015	6:00	10:00	4.00	EVLPRD	22		P	13,525.0	HES WAS UNABLE TO OPEN CALIPER ON TOOL STRING. LOGGED UP FROM TD WITH ULTRA-SLIM QUAD-COMBO TOOLS. RD E-LOGGERS.
	10:00	11:30	1.50	CASPRD1	24		P	13,525.0	RIG UP FRANK'S WESTATES' CASING TOOLS, TORQUE-TURN, & MUD FILL HOSE.
	11:30	12:00	0.50	CASPRD1	24		P	13,525.0	MU FLOAT SHOE, 1 JOINT, FLOAT COLLAR, 1 JOINT, LANDING COLLAR. CHECKED FLOATS.
	12:00	12:30	0.50	CASPRD1	12		P	13,525.0	SERVICED RIG & TDU. TROUBLESHOT CATWALK MALFUNCTION.
	12:30	13:30	1.00	CASPRD1	24		P	13,525.0	TIH WITH 12 JTS OF 5", 18#, HCP-110, STL LINER.
	13:30	14:00	0.50	CASPRD1	47		N	13,525.0	REPAIRED CATWALK.
	14:00	18:00	4.00	CASPRD1	24		P	13,525.0	TIH WITH ADDITIONAL 67 JTS PLUS 3 MARKER JTS OF 5", 18#, HCP-110, STL LINER. FILLED PIPE ON THE FLY. CBU FROM 1,600' AT 2 BPM.
	18:00	19:30	1.50	CASPRD1	24		P	13,525.0	PUMU HES' STANDARD MODEL LINER HANGER. MAKE UP 1 STAND DP. INSERTED RH RUBBER. CBU FROM 3,400' AT 2 BPM WHILE RD CASING TOOLS.
	19:30	6:00	10.50	CASPRD1	24		P	13,525.0	SIH WITH LINER ON 4" DP. CBU, DISPLACING 14.7 WITH 14.1 MUD AT 2.5 BPM EACH 1,000' INTERVAL. 7,965' MAX GAS WITH PARAFFIN IN RETURNS. MAX MW CUT TO 13.6 PPG. NEAR FULL RETURNS THUS FAR.
1/31/2015	6:00	13:30	7.50	CASPRD1	24		P	13,525.0	FINISHED SIH WITH LINER ON 4" DP. CBU, DISPLACING 14.7 WITH 14.1 MUD AT 2.5 BPM EACH 1,000' INTERVAL. 7,965' MAX GAS WITH PARAFFIN IN RETURNS. MAX MW CUT TO 13.6 PPG. NEAR FULL RETURNS.
	13:30	17:30	4.00	CASPRD1	15		P	13,525.0	SPACED OUT. RU HES' SWIVEL & CMT HEAD. C & C 14.1 PPG MUD AT 2.5 BPM. 10,008 GAS UNITS & MW CUT TO 10.9 PPG.
	17:30	20:00	2.50	CASPRD1	25		P	13,525.0	SWITCHED LINE TO CEMENTERS. HES TESTED P & L TO 9,500 PSI. M & P 20 BBLS 14.3 PPG TUNED SPACER III. M & P 260 SKS / 66 BBLS EXPANDACEM PREMIUM CEMENT AT 14.6 PPG WITH 1.42 YIELD. WASHED LINES. DROPPED DP DART. PUMPED 70 BBLS CLA-WEB / ALDACIDE PLUS 86 BBLS 14.1 PPG MUD. BUMPED PLUG WITH 3,200 PSI @ 20:06 HRS, 01/30/2015. BLED BACK 2.5 BBLS, FLOATS HELD. FULL RETURNS.

2.1 Operation Summary (Continued)

Date	Time Start-End		Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
	20:00	21:30	1.50	CASPRD1	24		P	13,525.0	RUPTURED DISC AT 5,600 PSI. RELEASED BALL. PUMPED 62 BBLS. PRESSURED TO 6,700PSI, EXPANDED HANGER. PULL TESTED LINER WITH 75K OVERPULL. SAT DOWN 70K , RELEASED SETTING TOOL FROM LINER HANGER. LANDED FS AT 13,523', FC AT 13,477', LC AT 13,434', TOL AT 10,213' WITH 207' OF LAP. TOTAL LINER LENGTH: 3,309'. MARKER JT TOPS AT 12,603', 11,480', & 10,483'. - ROLLED HOLE HAD 20 BBLS OF TUNED SPACER BACK, 10 BBLS OF GOOD CEMENT.
	21:30	0:00	2.50	CASPRD1	31		P	13,525.0	POSITIVE TESTED LINER TOP TO 1,000 PSI FOR >10 MINUTES. DISPLACED MUD FROM DP & ANNULUS WITH 200 BBLS OF FRESH WATER FOLLOWED BY 240 BBLS FRESH WATER WITH 2% CLA-WEB/ALDACIDE WATER.
	0:00	1:00	1.00	CASPRD1	15		P	13,525.0	MONITOR WELL FOR FLOW 15 MINS, WELL STATIC. RD CMT LINES & HEAD.
	1:00	1:30	0.50	CASPRD1	12		P	13,525.0	SERVICED RIG & TDU.
	1:30	6:00	4.50	CASPRD1	14		P	13,525.0	LD 4" DP.
2/1/2015	6:00	14:30	8.50	CASPRD1	14		P	13,525.0	CLEANED TANKS WHILE FINISHED LD 4" DP. TIH WITH STANDS FROM DERRICK, LD DP. LAID DOWN HES' LINER RUNNING TOOL.
	14:30	18:00	3.50	CASPRD1	29		P	13,525.0	ND 11" 10M BOPE & 11"5M X 11"10M B-SECTION.
	18:00	23:00	5.00	CASPRD1	27		P	13,525.0	NU 11" 5M X 7-1/16" 10M TBG HEAD. NU FRAC VALVE & NIGHT CAP. TESTED HEAD TO 5,000 PSI FOR 15 MIN. OK.
	23:00	6:00	7.00	RDMO	02		P	13,525.0	RIG RELEASED 23:00 HRS, 01/31/2015. RIG DOWN.
2/2/2015	6:00	6:00	24.00	RDMO	02		P	13,525.0	RIGGED DOWN. 95% RIGGED DOWN. 50% MOVED.

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CENTRAL DIVISION

ALTAMONT FIELD
LAKE FORK RANCH 4-19B3
LAKE FORK RANCH 4-19B3
COMPLETION LAND

Operation Summary Report

RECEIVED: Mar. 18, 2015

1 General

1.1 Customer Information

Company	CENTRAL DIVISION
Representative	
Address	

1.2 Well Information

Well	LAKE FORK RANCH 4-19B3		
Project	ALTAMONT FIELD	**Site**	LAKE FORK RANCH 4-19B3
Rig Name/No.		**Event**	COMPLETION LAND
Start date	2/10/2015	**End date**	
Spud Date/Time	1/5/2015	**UWI**	LAKE FORK RANCH 4-19B3
Active datum	KB @6,012.0ft (above Mean Sea Level)		
Afe No./Description	163220/52967 / LAKE FORK RANCH 4-19B3		

2 Summary

2.1 Operation Summary

Date	Time Start-End		Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
2/10/2015	6:00	7:30	1.50	WOR	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON ROADING RIG. FILL OUT & REVIEW JSA
	7:30	10:00	2.50	WOR	01		P		ROAD RIG TO LOCATION & RU.
	10:00	11:00	1.00	WOR	16		P		NU BBOP ON TOP OF FRAC VALVE. RU WORK FLOOR
	11:00	17:30	6.50	WOR	24		P		TIH W/ 4-1/8"OD ROCK BIT, BIT SUB, 105 JTS 2-3/8"EUE TBG, X-OVER & 279 JTS 2-7/8"EUE TBG
2/11/2015	6:00	7:30	1.50	WOR	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON POWER SWIVEL SAFETY. FILL OUT & REVIEW JSA
	7:30	8:00	0.50	WOR	24		P		TIH W/ 28 JTS 2-7/8"EUE TBG. TAG FILL @ 13383.
	8:00	11:00	3.00	WOR	10		P		RU POWER SWIVEL. BREAK REVERSE CIRCULATION. CLEAN OUT FROM 13383' TO LANDING COLLAR @ 13443'. DISPLACE HOLE W/ 450 BBLS 2% KCL WTR. RD POWER SWIVEL
	11:00	18:00	7.00	WOR	24		P		TOOH LAYING DOWN 308 JTS 2-7/8"EUE TBG, X-OVER, 105 JTS 2-3/8"EUE TBG, BIT SUB & BIT. SDFN
2/12/2015	6:00	7:30	1.50	WOR	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON RIGGING DOWN RIG. FILL OUT & REVIEW JSA
	7:30	8:30	1.00	WOR	02		P		ND BOP LEAVING FRAC VALVE ON WELL. RD RIG & MOVE OFF LOCATION.
	8:30	15:00	6.50	WLWORK	18		P		MIRU WIRE LINE UNIT. RIH W/ LOGGING TOOL. RUN CBL LOG FROM 13422' WLM TO 2800'WHILE HOLDING 4000 PSI ON WELL.ESTIMATED CMT TOP @ 3144'. BLEED PRESSURE OFF WELL. NU NIGHT CAP. RD WIRELINE UNIT. SDFN
2/13/2015	6:00	7:30	1.50	WHDTRE	28		P		CREW TRAVEL HELD SAFETY MEETING ON PRESSURE TESTING CSG(LINE OF FIRE). FILLED OUT JSA.
	7:30	13:00	5.50	WHDTRE	16		P		PRESSURE TEST CSG @ 9000 PSI FOR 1/2 HR HELD. NU SPOOL, 5" HCR VALVE, CROSS FLOW, 5" HCR VALVE GOAT HEAD, DSA SPOOL, AND WIRELINE FLANGE. PRESSURE TEST STACK @ 10000 PSI HELD. WHILE HAULING WATER AND FRAC TANKS. SHUT IN WELL, CSG VALVES CLOSED AND NIGHT CPS INSTALLED. 7' MANUAL VALVE AND HCR VALVES CLOSED AND LOCKED.
	13:00	16:00	3.00	WHDTRE	16		P		RAN FLOW BACK LINES FROM FLOW CROSS, AND 9 5/8" CSG TO FLOW BACK TANKS. WHILE HAULING WATER AND FRAC TANKS.

2.1 Operation Summary (Continued)

Date	Time Start-End		Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
	16:00	22:00	6.00	SITEPRE	18		P		CONTINUED HAULING WATER AND FRAC TANKS. SDFN
2/14/2015	6:00	7:30	1.50	WLWORK	28		P		CREW TRAVEL HELD SAFETY MEETING ON RIGGING UP WIRELINE. FILLED OUT JSA
	7:30	9:00	1.50	STG01	21		P		CONTINUED HAULING WATER. RU WIRELINE. PRESSURE TEST LUBRICATOR. PACKING ON 5" HCR VALVE WAS LEAKING. RD WIRELINE
	9:00	12:00	3.00	STG01	47		N		WAITED FOR WEATHERFORD. CHANGED OUT PACKING ON 5" HCR VALVES.
	12:00	15:00	3.00	STG01	21		P		RU WIRELINE PERFORATED STAGE #1 FROM 13417' TO 13129'. ALL PERFS CORRELATED TO CBL, GAMMA RAY, CCL LOG RUN #1 DATED 11-FEB-2015. 21 NET FT. 63 SHOTS. 2 3/4" GUNS, 16 GM CHARGES, 3 JSPF, 120 PHASING. STARTING PRESSURE 1000 PSI. FINAL PRESSURE 900 PSI. RD WIRELINE. SECURED WELL.
	15:00	22:00	7.00	SITEPRE	18		P		CONTINUED HAULING WATER. SDFN.
2/15/2015	6:00	8:30	2.50	SITEPRE	28		P		CREW TRAVEL HELD SAFETY MEETING ON PPE. FILLED OUT JSA
	8:30	12:30	4.00	SITEPRE	01		P		RAN WATER TRANSFER LINES.
2/16/2015	6:00	6:30	0.50	SITEPRE	28		P		HELD SAFETY MEETING ON HEATING FRAC WATER FILLED OUT JSA
	6:30	18:30	12.00	SITEPRE	18		P		HEATED FRAC WATER
2/17/2015	6:00	6:30	0.50	MIRU	28		P		HELD SAFETY MEETING ON RIGGING UP FRAC EQUIPMENT fiFILLED OUT JSA
	6:30	8:00	1.50	MIRU	01		P		SPOTTED IN AND RU FRAC EQUIPMENT
	8:00	10:00	2.00	MIRU	42		N		FORGOT POPOFF. WAITED FOR AND INSTALLED POPOFF.
	10:00	12:00	2.00	STG01	35		P		PRESSURE TEST LINES @ 9252 PSI. OPENED UP WELL W/ 415 PSI. BREAK DOWN STAGE # 1 PERFS @ 6376 PSI, 10.5 BPM, 8 BBLS PUMPED. EST INJ RATE 30.5 BPM 6700 PSI. I.S.I.P. 5622 PSI. F.G. 85, 5 MIN 5521 PSI, 10 MIN 5503 PSI. TREATED PERFS W/ 5000 GALS 15% HCL ACID. PUMPED 3000 LBS 100 MESH IN 1/2 PPG STAGE AND 153040 LBS POWER PROP 30/50. IN .5#, 1#, 2# AND 3# STAGES. AVG RATE 69.6 BPM, MAX RATE 76.3 BPM. AVG PRESS 6732, MAX PRESS 8675. I.S.I.P. 6233 PSI. F.G. .90. SHUT WELL IN 4788 BBLS TO RECOVER. TURNED WELL OVER TO WIRELINE
	12:00	13:30	1.50	STG02	21		P		RU WIRELINE. SET CBP @ 13115' W/ 5600 PSI PERFORATED STAGE #2 FROM 13100' TO 12841'. ALL PERFS CORRELATED TO CBL, GAMMA RAY, CCL LOG RUN #1 DATED 11-FEB-2015. 23 NET FT. 69 SHOTS. 2 3/4" GUNS, 16 GM CHARGES, 3 JSPF, 120 PHASING. STARTING PRESSURE 5600 PSI. FINAL PRESSURE 5500 PSI. RD WIRELINE.TURNED WELL OVER TO FRAC CREW
	13:30	15:00	1.50	STG02	35		P		PRESSURE TEST LINES @ 9209 PSI. OPENED UP WELL W/ 5357 PSI. BREAK DOWN STAGE # 2 PERFS @ 6205 PSI, 10 BPM, 3 BBLS PUMPED. EST INJ RATE 34 BPM 6205 PSI. I.S.I.P. 5450 PSI. F.G. 85, 5 MIN 5361 PSI, 10 MIN 5357 PSI. TREATED PERFS W/ 5000 GALS 15% HCL ACID. PUMPED 3000 LBS 100 MESH IN 1/2 PPG STAGE AND 150100 LBS POWER PROP 30/50. IN .5#, 1#, 2# AND 3# STAGES. AVG RATE 74.7 BPM, MAX RATE 78.2 BPM. AVG PRESS 6716, MAX PRESS 8655. I.S.I.P. 5804 PSI. F.G. .88. SHUT WELL IN 3753 BBLS TO RECOVER. TURNED WELL OVER TO WIRELINE

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
	15:00 16:30	1.50	STG03	21		P		RU WIRELINE. SET CBP @ 12815 ' W/ 5400 PSI PERFORATED STAGE #3 FROM 12800 ' TO 12562'. ALL PERFS CORRELATED TO PERFORATORS CBL, GAMMA RAY, CCL LOG RUN #1 DATED 11-FEB-2015. 22 NET FT. 66 SHOTS. 2 3/4" GUNS, 16 GM CHARGES, 3 JSPF, 120 PHASING. STARTING PRESSURE 5400 PSI. FINAL PRESSURE 5200 PSI. RD WIRELINE.TURNED WELL OVER TO FRAC CREW
	16:30 18:30	2.00	STG03	35		P		PRESSURE TEST LINES @ 9370 PSI. OPENED UP WELL W/ 5189 PSI. BREAK DOWN STAGE # 3 PERFS @ 5414 PSI, 9 BPM, 2 BBLS PUMPED. EST INJ RATE 32.6 BPM 5883 PSI. I.S.I.P. 5207 PSI. F.G. 84, 5 MIN 5221 PSI. TREATED PERFS W/ 5000 GALS 15% HCL ACID. PUMPED 3000 LBS 100 MESH IN 1/2 PPG STAGE AND 150080 LBS POWER PROP 30/50. IN .5#, 1#, 2# AND 3# STAGES. AVG RATE 75 BPM, MAX RATE 80.2 BPM. AVG PRESS 6485, MAX PRESS 8619. I.S.I.P. 5503 PSI. F.G. .86. SHUT WELL IN 3736 BBLS TO RECOVER. TURNED WELL OVER TO WIRELINE
	18:30 22:30	4.00	STG04	21		P		RU WIRELINE. SET CBP @ 12535'. W/ 5400 PSI PERFORATED STAGE #4 FROM 12520 ' TO 12356 HAD MISFIRE ON SHOT @ 12341' PULLED OUT REBUILT GUN RIH FINISHED SHOOTING STAGE 4 FROM 12341 TO 12284' ALL PERFS CORRELATED TO PERFORATORS CBL, GAMMA RAY, CCL LOG RUN #1 DATED 11-FEB-2015. 22 NET FT. 66 SHOTS. 2 3/4" GUNS, 16 GM CHARGES, 3 JSPF, 120 PHASING. STARTING PRESSURE 5400 PSI. FINAL PRESSURE 5200 PSI. RD WIRELINE.SHUT IN WELL CLOSED 7" MASTER VALVE. CLOSED AND LOCKED 5" HCR VALVES. CLOSED CSG VALVES AND INSTALLED NIGHT CAPS. SDFN.
2/18/2015	6:00 6:30	0.50	STG04	28		P		HELD SAFETY MEETING ON PUMPING HIGH PRESSURE. FILLED OUT JSA..STARtED EQUIPMENT
	6:30 8:15	1.75	STG04	35		P		PRESSURE TEST LINES @ 9177 PSI. OPENED UP WELL W/ 5353 PSI. BREAK DOWN STAGE # 4 PERFS @ 5542 PSI, 9 BPM, 3 BBLS PUMPED. EST INJ RATE 35 BPM 6250 PSI. I.S.I.P. 5464 PSI. F.G. 87, 5 MIN 5264 PSI, 10 MIN 5242 PSI. TREATED PERFS W/ 5000 GALS 15% HCL ACID. PUMPED 3000 LBS 100 MESH IN 1/2 PPG STAGE AND 150100 LBS POWER PROP 30/50. IN .5#, 1#, 2# AND 3# STAGES. AVG RATE 75.7 BPM, MAX RATE 78.9 BPM. AVG PRESS 6554, MAX PRESS 8222. I.S.I.P. 5554 PSI. F.G. .88 SHUT WELL IN 3757 BBLS TO RECOVER. TURNED WELL OVER TO WIRELINE
	8:15 10:15	2.00	STG05	21		P		RU WIRELINE. SET CBP @ 12260 ' W/ 5400 PSI PERFORATED STAGE #4 FROM 12248 ' TO 12011'. ALL PERFS CORRELATED TO PERFORATORS CBL, GAMMA RAY, CCL LOG RUN #1 DATED 11-FEB-2015. 23 NET FT. 69 SHOTS. 2 3/4" GUNS, 16 GM CHARGES, 3 JSPF, 120 PHASING. STARTING PRESSURE 5400 PSI. FINAL PRESSURE 5400 PSI. RD WIRELINE.TURNED WELL OVER TO FRAC CREW
	10:15 11:45	1.50	STG05	35		P		PRESSURE TEST LINES @ 9177 PSI. OPENED UP WELL W/ 5203 PSI. BREAK DOWN STAGE # 5 PERFS @ 5385 PSI, 8 BPM, 2 BBLS PUMPED. EST INJ RATE 34 BPM 6250 PSI. I.S.I.P. 5339 PSI. F.G. 87, 5 MIN 5210 PSI, 10 MIN 5203 PSI. TREATED PERFS W/ 5000 GALS 15% HCL ACID. PUMPED 3000 LBS 100 MESH IN 1/2 PPG STAGE AND 150040 LBS POWER PROP 30/50. IN .5#, 1#, 2# AND 3# STAGES. AVG RATE 72.8 BPM, MAX RATE 79.7 BPM. AVG PRESS 6215 , MAX PRESS 8032 I.S.I.P. 5701 PSI. F.G. .90. SHUT WELL IN 3815 BBLS TO RECOVER. TURNED WELL OVER TO WIRELINE

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2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
	11:45 14:30	2.75	WLWORK	21		N		RIH TO SET CBP AND PERFORATE. SETTING TOOL DIDN'T SHOOT. PULLED OUT AND FOUND A BAD SWITCH. CHANGED SWITCH AND 2' GUN. RIH.
	14:30 15:30	1.00	STG06	21		P		SET CBP @ 11991' W/ 5400 PSI PERFORATED STAGE #6 FROM 11976' TO 11758'. ALL PERFS CORRELATED TO PERFORATORS CBL, GAMMA RAY, CCL LOG RUN #1 DATED 11-FEB-2015. 23 NET FT. 69 SHOTS. 2 3/4" GUNS, 16 GM CHARGES, 3 JSPF, 120 PHASING. STARTING PRESSURE 5400 PSI. FINAL PRESSURE 4800 PSI. RD WIRELINE.TURNED WELL OVER TO FRAC CREW
	15:30 17:00	1.50	STG06	35		P		PRESSURE TEST LINES @ 9209 PSI. OPENED UP WELL W/ 4066 PSI. BREAK DOWN STAGE # 6 PERFS @ 5475 PSI, 10.2 BPM, 3 BBLS PUMPED. EST INJ RATE 33.7 BPM 5690 PSI. I.S.I.P. 5068 PSI. F.G., 5 MIN 4863 PSI. TREATED PERFS W/ 5000 GALS 15% HCL ACID. PUMPED 3000 LBS 100 MESH IN 1/2 PPG STAGE AND 150080 LBS POWER PROP 30/50. IN .5#, 1#, 2# AND 3# STAGES. AVG RATE 74.6 BPM, MAX RATE 76.4 BPM. AVG PRESS 6173 PSI , MAX PRESS 7893 I.S.I.P. PSI. F.G. .88. SHUT WELL IN 3801 BBLS TO RECOVER. TURNED WELL OVER TO WIRELINE
	17:00 19:00	2.00	STG07	21		P		RU WIRELINE. SET CBP @ 11696'. W/ 4800 PSI PERFORATED STAGE #7 FROM 11681' TO 11457' ALL PERFS CORRELATED TO PERFORATORS CBL, GAMMA RAY, CCL LOG RUN #1 DATED 11-FEB-2015. 23 NET FT. 69 SHOTS. 2 3/4" GUNS, 16 GM CHARGES, 3 JSPF, 120 PHASING. STARTING PRESSURE 4800 PSI. FINAL PRESSURE 3400 PSI. RD WIRELINE.SHUT IN WELL CLOSED 7" MASTER VALVE. CLOSED AND LOCKED 5" HCR VALVES. CLOSED CSG VALVES AND INSTALLED NIGHT CAPS. SDFN.
2/19/2015	6:00 7:00	1.00	STG07	28		P		HELD SAFETY MEETING ON PROPER PPE. FILLED OUT JSA. STARTED EQUIPMENT
	7:00 9:00	2.00	STG07	35		P		PRESSURE TEST LINES @ 9216 PSI. OPENED UP WELL W/ 2661 PSI. BREAK DOWN STAGE # 7 PERFS @ 5221 PSI, 10.5 BPM, 7 BBLS PUMPED. EST INJ RATE 34 BPM 5543 PSI. I.S.I.P. 4260 PSI. F.G. 79, 5 MIN 3730 PSI, 10 MIN 3161 PSI. TREATED PERFS W/ 5000 GALS 15% HCL ACID. PUMPED 3000 LBS 100 MESH IN 1/2 PPG STAGE AND 150040 LBS POWER PROP 30/50. IN .5#, 1#, 2# AND 3# STAGES. AVG RATE 75.4 BPM, MAX RATE 79.3 BPM. AVG PRESS 5877, MAX PRESS 7238. I.S.I.P. 5350 PSI. F.G. .89 SHUT WELL IN 3844 BBLS TO RECOVER. TURNED WELL OVER TO WIRELINE
	9:00 10:45	1.75	STG08	21		P		RU WIRELINE. SET CBP @ 11424' W/ 4500 PSI PERFORATED STAGE #8 FROM 11413' TO 11160'. ALL PERFS CORRELATED TO PERFORATORS CBL, GAMMA RAY, CCL LOG RUN #1 DATED 11-FEB-2015. 23 NET FT. 69 SHOTS. 2 3/4" GUNS, 16 GM CHARGES, 3 JSPF, 120 PHASING. STARTING PRESSURE 4500 PSI. FINAL PRESSURE 3900 PSI. RD WIRELINE.TURNED WELL OVER TO FRAC CREW
	10:45 12:15	1.50	STG08	35		P		PRESSURE TEST LINES @ 9348 PSI. OPENED UP WELL W/ 1903 PSI. BREAK DOWN STAGE # 8 PERFS @ 4169 PSI, 9.3 BPM, 6 BBLS PUMPED. EST INJ RATE 32 BPM 5181 PSI. I.S.I.P. 4181 PSI. F.G. 80, 5 MIN 3665 PSI, 10 MIN 3200 PSI. TREATED PERFS W/ 5000 GALS 15% HCL ACID. PUMPED 3000 LBS 100 MESH IN 1/2 PPG STAGE AND 150100 LBS POWER PROP 30/50. IN .5#, 1#, 2# AND 3# STAGES. AVG RATE 74.7 BPM, MAX RATE 76.3 BPM. AVG PRESS 5988, MAX PRESS 7499. I.S.I.P. 5465 PSI. F.G. .91 SHUT WELL IN 3730 BBLS TO RECOVER. TURNED WELL OVER TO WIRELINE

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
	12:15 13:40	1.42	STG09	21		P		RU WIRELINE. SET CBP @ 11140' W/ 5100 PSI PERFORATED STAGE #9 FROM 11129' TO 10874'. ALL PERFS CORRELATED TO PERFORATORS CBL, GAMMA RAY, CCL LOG RUN #1 DATED 11-FEB-2015. 23 NET FT. 69 SHOTS. 2 3/4" GUNS, 16 GM CHARGES, 3 JSPF, 120 PHASING. STARTING PRESSURE 5100 PSI. FINAL PRESSURE 3900 PSI. RD WIRELINE.TURNED WELL OVER TO FRAC CREW
	13:40 15:00	1.33	STG09	35		P		PRESSURE TEST LINES @ 9166 PSI. OPENED UP WELL W/ 4020 PSI. BREAK DOWN STAGE # 9 PERFS @ 5186 PSI, 10 BPM, 6 BBLS PUMPED. EST INJ RATE 31 BPM 5425 PSI. I.S.I.P. 4753 PSI. F.G. 86, 5 MIN 4152 PSI. TREATED PERFS W/ 5000 GALS 15% HCL ACID. PUMPED 3000 LBS 100 MESH IN 1/2 PPG STAGE AND 151040 LBS POWER PROP 30/50. IN .5#, 1#, 2# AND 3# STAGES. AVG RATE 75.3 BPM, MAX RATE 76.8 BPM. AVG PRESS 5933, MAX PRESS 7020. I.S.I.P. 5418 PSI. F.G. .92 SHUT WELL IN 3720 BBLS TO RECOVER..SHUT IN WELL CLOSED 7" MASTER VALVE. CLOSED AND LOCKED 5" HCR VALVES. CLOSED CSG VALVES AND INSTALLED NIGHT CAPS. SDFN.
	15:00 17:30	2.50	RDMO	02		P		RD FRAC EQUIPMENT. CLEAN LOCATION. MOVE FRAC EQUIPMENT OFF LOCATION.
	17:30 19:30	2.00	MIRU	01		P		MOVE AND SPOT COIL TBG EQUIPMENT. RAN PUMP LINES UNLOAD BOP AND LUBRICATOR. SDFN.
2/20/2015	6:00 6:30	0.50	MIRU	28		P		HELD SAFETY MEETING ON RIGGING UP COILING TUBING FILLED OUT JSA.
	6:30 9:30	3.00	MIRU	01		P		FINISHED RIGGING UP 2" COIL TUBING, MAKE UP 4 1/8" JZ ROCK BIT AND MOTOR ASSEMBLY. PRESSURE TEST LUBRICATOR AND WELLHEAD @ 9000 PSI HELD. OPENED WELL WITH 3700 PSI.
	9:30 21:30	12.00	CTU	10		P		RIH PUMPING 1/2 BPM TO LINER TOP. INCREASED RATE TO 3 BPM RETURNING 4 BPM. DRILLED OUT CBPS @ 11144', 11428', 11696', 11991', 12260', 12535', 12815', AND 13115'. CLEANED OUT PBTD @ 13434' (13420' COIL TBG MEASUREMENT). CIRCULATE ON BTM FOR 1HR. PULLED OUT TO LINER TOP. CIRCULATE FOR 1 HR. TOOH.
	21:30 22:30	1.00	RDMO	02		P		BUMPED UP. SHUT IN WELL. LD MOTOR ASSEMBLY. BLEW COIL DRY. RD COIL TBG EQUIPMENT. OPENED WELL ON 12/ 64 CHOKE WITH 3800 PSI.
	22:30 6:00	7.50	FB	19		P		3700 PSI ON 12/64 CHOKE, RECOVERD 0 MCF, 0 BBLS OIL, 406 BBLS H20
2/21/2015	6:00 6:30	0.50	FB	28		P		HELD SAFETY MEETING ON FLOWBACK PROCEDURES. FILLED OUT JSA.
	6:30 6:00	23.50	FB	19		P		3500 PSI ON 12/64 CHOKE, RECOVERD 110 MCF, 131 BBLS OIL, 1113 BBLS H20.
2/22/2015	6:00 6:30	0.50	FB	28		P		CREW TRAVEL HELD SAFETY FLOWBACK PROCEDURES FILLED OUT JSA
	6:30 6:00	23.50	FB	19		P		3400 PSI ON 12/64 CHOKE, RECOVERD 442 MCF, 477 BBLS OIL, 548 BBLS H20.
2/23/2015	6:00 6:30	0.50	FB	28		P		HELD SAFETY MEETING ON FLOWBACK PROCEDURES. FILLED OUT JSA.
	6:30 6:00	23.50	FB	19		P		3125 PSI ON 12/64 CHOKE, RECOVERD 511 MCF, 599 BBLS OIL, 368 BBLS H20.
2/24/2015	6:00 7:30	1.50	WLWORK	28		P		CREWTRAVEL HELD SAFETY MEETING ON WIRELINE SAFETY (OVERHEAD HAZARDS) FILLED OUT JSA.
	7:30 9:30	2.00	WLWORK	18		P		RU WIRELINE FRAC VALVES WERE FROZE. THAWED OUT FRAC VALVES WITH STEAM.

RECEIVED: Mar. 18, 2015

2.1 Operation Summary (Continued)

Date	Time Start-End		Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
	9:30	10:30	1.00	WLWORK	20		P		RIH SET WL PKR @ 10306', STARTED BLEEDING DOWN WELL. RD WIRELINE.
	10:30	12:00	1.50	WOR	16		P		WHILE BLEEDING DOWN WELL ND FRAC STACK TO 7" MANUAL VALVE. NU 5K BOP.
	12:00	13:30	1.50	MIRU	01		P		MOVED IN RU SERVICE RIG. FINISHED BLEEDING DOWN WELL. PUMPED 50 BBLS 2% KCLDOWN CSG.
	13:30	17:30	4.00	WOR	39		P		RIH W/ ON OFF TOOL, 5-JTS 2 3/8 L-80 EUE TBG, X-OVER AND 227-JTS 2 7/8 L-80 EUE TBG. EOT @ 7602' , SHUT IN WELL PKR @ 10306' W/ PLUG, CLOSED AND LOCKED PIPE RAMS, CLOSED CSG VALVES AND INSTALLED NIGHT CAPS. CLOSED TIW VALVE AND INSTALLED NIGHT CAP, SDFN.
2/25/2015	6:00	7:30	1.50	WOR	28		P		CREW TRAVEL HELDSAFETY MEETING ON PICKING UP TUBING (PINCH POINTS). FILLED OUT JSA.
	7:30	9:00	1.50	INSTUB	39		P		0TSIP 0 CSIP. CONTINUED RIH W/ 84-JTS 2 7/8 L-80 EUE TBG (TTL 311-JTS OF 2 7/8). TAGGED FILL @ 10309'. RU TO CIRCULATE WELL.
	9:00	12:00	3.00	INSTUB	06		P		ESTABLISHED REVERSE CIRCULATION. WASHED DOWN TO PKR @ 10316'. LATCHED ONTO PKR. RELEASED FROM PKR, CONTINUE CIRCULATING WELL W/ 400 BBLS PKR FLUID.
	12:00	14:00	2.00	INSTUB	16		P		LD 1-JT 2 7/8 L-80 EUE TBG, SPACED OUT TBG W/ 1-6', 1-10' X 2 7/8 N-80 TBG SUBS, LANDED TBG WITH 6' TBG SUB, HANGER W/ BPV. ND BOP, REMOVED 6' SUB. LANDED TBG W/ HANGER AND BPV, NU AND PLUMBED IN WELLHEAD.
	14:00	15:00	1.00	INSTUB	06		P		PRESSURE TEST CSG, FLOWLINE AND WELLHEAD. REMOVED BPV PUMPED OUT PLUG. OPENED WELL ON 12/64 CHOKE W/ 2700 PSI. TURNED WELL OVER TO FLOWBACK CREW. SDFN.
	15:00	6:00	15.00	FB	19		P		3200 PSI ON 12/64 CHOKE, RECOVERD 192 MCF, 362 BBLS OIL, 218 BBLS H20.
2/26/2015	6:00	6:30	0.50	FB	28		P		HELD SAFETY MEETING ON FLOWBACK PROCEDURES. FILLED OUT JSA.
	6:30	6:00	23.50	FB	19		P		3000 PSI ON 12/64 CHOKE, RECOVERD 539 MCF, 601 BBLS OIL, 265 BBLS H20.
2/27/2015	6:00	6:30	0.50	FB	28		P		HELD SAFETY MEETING ON FLOWBACK PROCEDURES FILLED OUT JSA
	6:30	6:00	23.50	FB	19		P		2850 PSI ON 12/64 CHOKE, RECOVERD 534 MCF, 673 BBLS OIL, 258 BBLS H20. TRANSFERED 84 BBLS OIL FROM FLOW BACK TANK.
2/28/2015	6:00	6:30	0.50	FB	28		P		HELD SAFETY MEETING ON FLOWBACK PROCEDURES FILLED OUT JSA
	6:30	6:00	23.50	FB	19		P		2500 PSI ON 14/64 CHOKE, RECOVERD 578 MCF, 639 BBLS OIL, 359 BBLS H20.
3/1/2015	6:00	6:30	0.50	FB	28		P		HELD SAFETY MEETING ON FLOWBACK PROCEDURES FILLED OUT JSA.
	6:30	6:00	23.50	FB	19		P		2400 PSI ON 14/64 CHOKE, RECOVERD 601 MCF, 666 BBLS OIL, 373 BBLS H20.
3/2/2015	6:00	6:30	0.50	FB	28		P		HELD SAFETY MEETING ON FLOWBACK PROCEDURES FILLED OUT JSA.
	6:30	6:00	23.50	FB	19		P		2300 PSI ON 14/64 CHOKE, RECOVERD 581 MCF, 644 BBLS OIL, 338 BBLS H20.
3/3/2015	6:00	6:30	0.50	FB	28		P		HELD SAFETY MEETING ON FLOWBACK PROCEDURES. FILLED OUT JSA.
	6:30	6:00	23.50	FB	19		P		2300 PSI ON 14/64 CHOKE, RECOVERD 581 MCF, 644 BBLS OIL, 338 BBLS H20.
3/4/2015	6:00	6:30	0.50	FB	28		P		HELD SAFETY MEETING ON FLOWBACK PROCEDURES FILLED OUT JSA

RECEIVED: Mar. 18, 2015

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
	6:30 6:00	23.50	FB	19		P		2075 PSI ON 16/64 CHOKE, RECOVERD 625 MCF, 703 BBLS OIL, 431 BBLS H20.
3/11/2015	6:00 8:30	2.50	WLWORK	28		P		CT TGSM & JSA (WIRE LINE OPERATIONS & SAFETY ORIENTATION FOR CREW)
	8:30 14:30	6.00	WLWORK	22		P		RIH W/ SINKER BARS TO 11,500', COULD NOT MOVE UP OR DOWN, WORK FREE (1 HOUR + TO WORK FREE) POOH RD WIRE LINE TOTP.

RECEIVED: Mar. 18, 2015

Table of Contents

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: 1420H621734

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: Lake Fork Ranch 4-19B3

2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.

9. API NUMBER: 43013530630000

3. ADDRESS OF OPERATOR: 1001 Louisiana , Houston, TX, 77002 **PHONE NUMBER:** 713 997-5038 Ext

9. FIELD and POOL or WILDCAT: ALTAMONT

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0761 FSL 1110 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 19 Township: 02.0S Range: 03.0W Meridian: U

COUNTY: DUCHESNE

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☑ SUBSEQUENT REPORT Date of Work Completion: 11/25/2015	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☑ OTHER	OTHER: Routine

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Convert to ESP. See attached for details.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
January 19, 2016

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Maria S. Gomez	713 997-5038	Principal Regulatory Analyst
SIGNATURE N/A		**DATE** 1/13/2016

RECEIVED: Jan. 13, 2016

1 General

1.1 Customer Information

Company	CENTRAL DIVISION
Representative	
Address	

1.2 Well Information

Well	LAKE FORK RANCH 4-19B3		
Project	ALTAMONT FIELD	**Site**	LAKE FORK RANCH 4-19B3
Rig Name/No.	WESTERN WELL SERVICE/	**Event**	WORKOVER LAND
Start date	11/20/2015	**End date**	11/26/2015
Spud Date/Time	1/5/2015	**UWI**	LAKE FORK RANCH 4-19B3
Active datum	KB @6,012.0ft (above Mean Sea Level)		
Afe No./Description	165659/55231 / LAKE FORK RANCH 4-19B3		

2 Summary

2.1 Operation Summary

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
11/22/2015	6:00 7:30	1.50	WBP	28		P		TRAVEL TO LOCATION, HSM, SLIDING ROTAFLEX 630 AM HOT OILER PUMP 100 BBLS 2% KCL @ 200 DEG DOWN CSG
	7:30 8:30	1.00	MIRU	01		P		SLIDE ROTAFLEX BACK, LOTO ROTAFLEX MIRU COROD RIG
	8:30 13:00	4.50	WBP	39		P		TAG & SCREW INTO SV, P/U ACTS LIKE UNSEATED, ATTEMPT TO FLUSH, UNABLE, TRIED AGAIN, SAME RESULTS, POOH W/ 1000'-18/16" SE COROD, ATTEMPT TO FLUSH NO LUCK, CONT OOH W/ 680-18/16" SE COROD, 1680' TOTAL 1518'-17/16" SE COROD 1224'-16/16" SE COROD 1450'-15/16" SE COROD 50'-17//16" SE COROD 1317'18//16" SE COROD L/D STAB BAR, 1-1 1/2' C-BAR, STAB BAR, 40' POLISH ROD & PLUNGER
	13:00 14:30	1.50	WLWORK	21		P		MIRU THE PERFORATORS, RIH W/ 1 9/16" TBG PUNCH LOADED 4 SPF, PERF TBG @ 7320', POOH R/D WL
	14:30 15:00	0.50	WBP	18		P		HOT OILER FLUSH TBG W/ 50 BBLS 2% KCL @ 200 DEG.
	15:00 17:00	2.00	RDMO	02		P		TBG SHUT IN, CSG TO SALES. RDMO COROD RIG, CLEAN LOCATION, MOVE TO 2-15C5. SDFN 2% KCL PUMPED = 400 BBLS DIESEL USED = 60 GAL PROPANE USED= 375 GAL
11/23/2015	10:00 12:30	2.50	MIRU	01		P		MOVE FROM 2-15C5, HSM, R/U RIG SPOT & R/U RIG HOT OILER FLUSH TBG W/ 70 BBLS 2% KCL @ 200 DEG
	12:30 14:30	2.00	WOR	16		P		N/D WH, STRIPON & N/U BOPS & ESP LANDING BOWL, R/U FLOOR & TBG TONGS, RELEASE TAC @ 7236'

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
	14:30 17:30	3.00	WOR	39		P		MIRU TUBOSCOPE TBG SCANNERS, SCAN OOH W/ 88 JTS 2 7/8" L-80 TBG, EOT @ 4627' CLOSE & LOCK PIPE RAMS, TBG SHUT IN, CSG TO SALES, SDFN. 2% KCL PUMPED = 200 DIESEL USED = 60 GAL PROPANE USED = 175
11/24/2015	6:00 7:30	1.50	WOR	28		P		TRAVEL TO LOCATION, HSM, L/D TBG 100# SITP & FCP, BLEED OFF HOT OILER FLUSH TBG W/ 40 BBLS 2% KCL @ 200 DEG.
	7:30 11:00	3.50	WOR	39		P		EOT @ 4627' SCAN OOH W/ 133 JTS 2 7/8" L-80 TBG, L/D 7" TAC, SCAN, 2 JTS, L/D PERFORATED JT, SCAN 1 JT, R/D SCANNERS, L/D 4'-2 7/8' TBG SUB, 2 7/8" SEAT NIPPLE, 2'-2 7/8" TBG SUB, 51/2" PBGA W/ DIP TUBE, 2 JTS 2 7/8" L-80 TBG, 5 3/4" SOLID NO-GO. TOTAL JTS SCANNED = 221 203-YELLOW BAND 16-BLUE BAND 2-RED BAND
	11:00 16:30	5.50	WOR	39		P		P/U & RIH W/ 5 3/4" F/O NO/GO, R/U HYDROTESTER, HYDROTEST TO 8500 PSI W/ 203 JTS 2 7/8" L-80 YELLOW BAND TBG, R/D HYDROTESTER, CONT RIH P/U 87 JTS 2 7/8" YELLOW BAND TESTED TBG EOT @ 9470"
	16:30 19:30	3.00	WLWORK	32		P		MIRU THE PERFORATORS, RIH W/ 1 11/16" SINKER BARS, TAG @ 13428', POOH R/D WL (VERY WAXY, SLOW GOING IN HOLE) PIPE RAMS SHUT & LOCKED, TBG SHUT IN, CSG TO SALES, SDFN. 2% KCL PUMPED = 225 BBLS DIESEL USED = 100 GAL PROPANE USED = 225 GAL
11/25/2015	6:00 7:30	1.50	WOR	28		P		TRAVEL TO LOCATION, HSM, TOOH W/ TBG 100# SITP & FCP, BLEED OFF 6 AM HOT OILER FLUSH TBG W/ 50 BBLS 2% KCL @ 200 DEG
	7:30 10:00	2.50	WOR	39		P		EOT @ 9470', POOH W/ 290 JTS 2 7/8" L-80 YELLOW BAND TBG, L/D WL REENTRY GUIDE, RIH P/U 18 JTS 2 7/8' L-80 YELLOW BAND TESTED TBG, POOH STANDING BACK IN DERRICK
	10:00 11:00	1.00	WOR	16		P		N/U HYDRIL
	11:00 17:30	6.50	WOR	39		P		R/U CABLE & CAPSTRING SPOOLERS,P/U & SVC ESP EQUIP AS FOLLOWS, 2 3/8" CHEM MANDREL, CENTINAL CENSOR, MOTOR, 2 SEALS, GAS SEPERATOR/INTAKE, 4 PUMPS, DISCHARGE, 4'-2 7/8" N-80 TBG SUB,TIE IN MOTOR LEAD & CAPSTRING, RIH BANDING CABLE & CAPSTRING W/ 1 JT 2 7/8" L-80 TBG, 2 7/8" DRAIN SUB, 1 JT 2 7/8" L-80 TBG, 2 7/8" SEAT NIPPLE, 2 JTS 2 7/8" L-80 TBG, COLLAR STOP,152 JTS 2 7/8" L-80 TBG. EOT @ 5200' CLOSE HYDRIL, TBG SHUT IN, CSG TO SALES, SDFN. 2% KCL PUMPED = 160BBLS DIESEL USED = 84 GAL PROPANE USED = 175 GAL
11/26/2015	6:00 7:30	1.50	WOR	28		P		TRAVEL TO LOCATION, HSM, BANDING CABLE & CAP STRING 100# SITP & FCP, BLEED OFF

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
	7:30 12:00	4.50	WOR	39		P		EOT @ 5200' RIH BANDING CABLE & CAP STRING W/ 151 JTS 2 7/8" L-80 TBG, MAKE LOWER PENETRATOR SPLICE, TIE IN CABLE & CAPSTRING, LAND TBG ON HANGER.
	12:00 13:00	1.00	WOR	16		P		R/D FLOOR & TBG TONGS, N/D BOPS & HYDRIL, N/U WH, HOOK UP FLOWLINE
	13:00 14:00	1.00	WOR	18		P		START PUMP, PUMPED FLUID TO SURFACE, 50 MIN. TWOTO. STAY RIGGED UP, CHECK PUMP FRIDAY A.M. SDFN.

Sundry Number: 77374 API Well Number: 43013530630000

FEDERAL APPROVAL OF THIS ACTION IS NECESSARY

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: 1420H621734

SUNDRY NOTICES AND REPORTS ON WELLS

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6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: Lake Fork Ranch 4-19B3

2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.

9. API NUMBER: 43013530630000

3. ADDRESS OF OPERATOR: 1001 Louisiana , Houston, TX, 77002

PHONE NUMBER: 713 997-5138 Ext

9. FIELD and POOL or WILDCAT: ALTAMONT

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0761 FSL 1110 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 19 Township: 02.0S Range: 03.0W Meridian: U

COUNTY: DUCHESNE

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 1/31/2017	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT Date of Spud:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	✓ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please see attached procedure for the 8 stage recompletion at the LFR 4-19B3.

Approved by the Utah Division of Oil, Gas and Mining

January 12, 2017

Date:

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Erik Hauser	713 997-6717	Sr EHS Specialist
SIGNATURE N/A		**DATE** 1/9/2017

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LFR 4-19 B3 Recom Summary Procedure

- POOH with ESP & tubing. Inspect/Repair/Re-furbish as needed. Replace any bad tubing.
- Set 10M Flow-thru CBP for 5" 18# casing @ 10,860' and dump bail 10' sand on top of plug. Set 15M CBP for 5" 18# @ 10,845'.
- Stage 1:
  - Perforate new LGR interval from **10,488' - 10,775'.**
  - Prop Frac Perforations with **150,000 lbs 30/50** (6,000 gals 15% HCl acid and 6,000 lbs 100 mesh) (Stage 1 Recom).
- Stage 2:
  - RIH with 5" CBP & set @ 10,453'.
  - Perforate new LGR interval from **10,234' - 10,438'.**
  - Prop Frac Perforations with **115,000 lbs 30/50** (6,000 gals 15% HCl acid and 6,000 lbs 100 mesh) (Stage 2 Recom).
- Stage 3:
  - RIH with 7" CBP & set @ 10,219'.
  - Perforate new LGR interval from **10,086' - 10,204'.**
  - Prop Frac Perforations with **70,000 lbs 30/50** (4,000 gals 15% HCl acid and 4,000 lbs 100 mesh) (Stage 3 Recom).
- Stage 4:
  - RIH with 7" CBP & set @ 10,055'.
  - Perforate new LGR interval from **9,842' - 10,040'.**
  - Prop Frac Perforations with **120,000 lbs 30/50** (6,000 gals 15% HCl acid and 6,000 lbs 100 mesh) (Stage 4 Recom).
- Stage 5:
  - RIH with 7" CBP & set @ 9,775'.
  - Perforate new LGR interval from **9,550' - 9,760'.**
  - Prop Frac Perforations with **125,000 lbs 30/50** (6,000 gals 15% HCl acid and 6,000 lbs 100 mesh) (Stage 5 Recom).
- Stage 6:
  - RIH with 7" CBP & set @ 9,290'.
  - Perforate new LGR interval from **9,510' - 9,275'.**
  - Prop Frac Perforations with **125,000 lbs 30/50** (6,000 gals 15% HCl acid and 6,000 lbs 100 mesh) (Stage 6 Recom).
- Stage 7:
  - RIH with 7" CBP & set @ 9,195'.
  - Perforate new LGR interval from **8,972 - 9,180'.**
  - Prop Frac Perforations with **125,000 lbs 30/50** (6,000 gals 15% HCl acid and 6,000 lbs 100 mesh) (Stage 7 Recom).
- Stage 8:
  - RIH with 7" CBP & set @ 8,943'.
  - Perforate new LGR interval from **8,683' - 8,928'.**
  - Prop Frac Perforations with **125,000 lbs 30/50** (6,000 gals 15% HCl acid and 6,000 lbs 100 mesh) (Stage 8 Recom).
- Clean out well drilling up (6) 7" CBPs and (2) 5" CBPs, leaving (1) 5" 10M Flow-thru CBP @ 10,860'. Top perf BELOW plugs @ 10,874'.
- RIH w/ production tubing, pump, and co-rod. Clean location and resume production.

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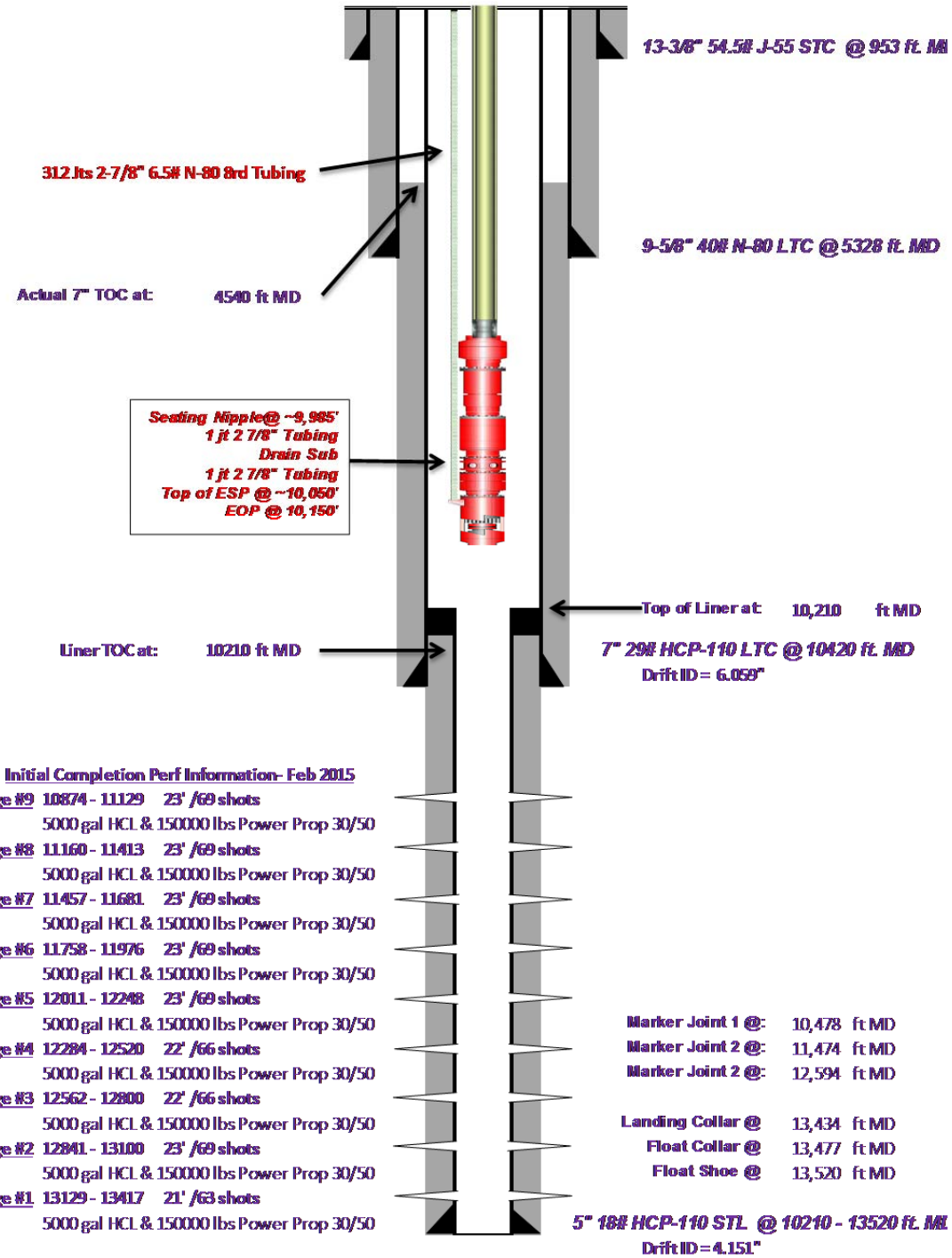
EP ENERGY

Current Wellbore Schematic

Well Name:	Lake Fork Ranch 4-19B3	Last Updated:	10/19/2015
Company Name:	EP Energy	By:	Medina
Field, County, State:	Altamont, Duchesne, Utah	TD:	13,520
Surface Location:	Lat: 40° 17' 20.233N Long: 110° 15' 37.613W	API:	4301353063
Producing Zone(s):	Wasatch	AFE:	



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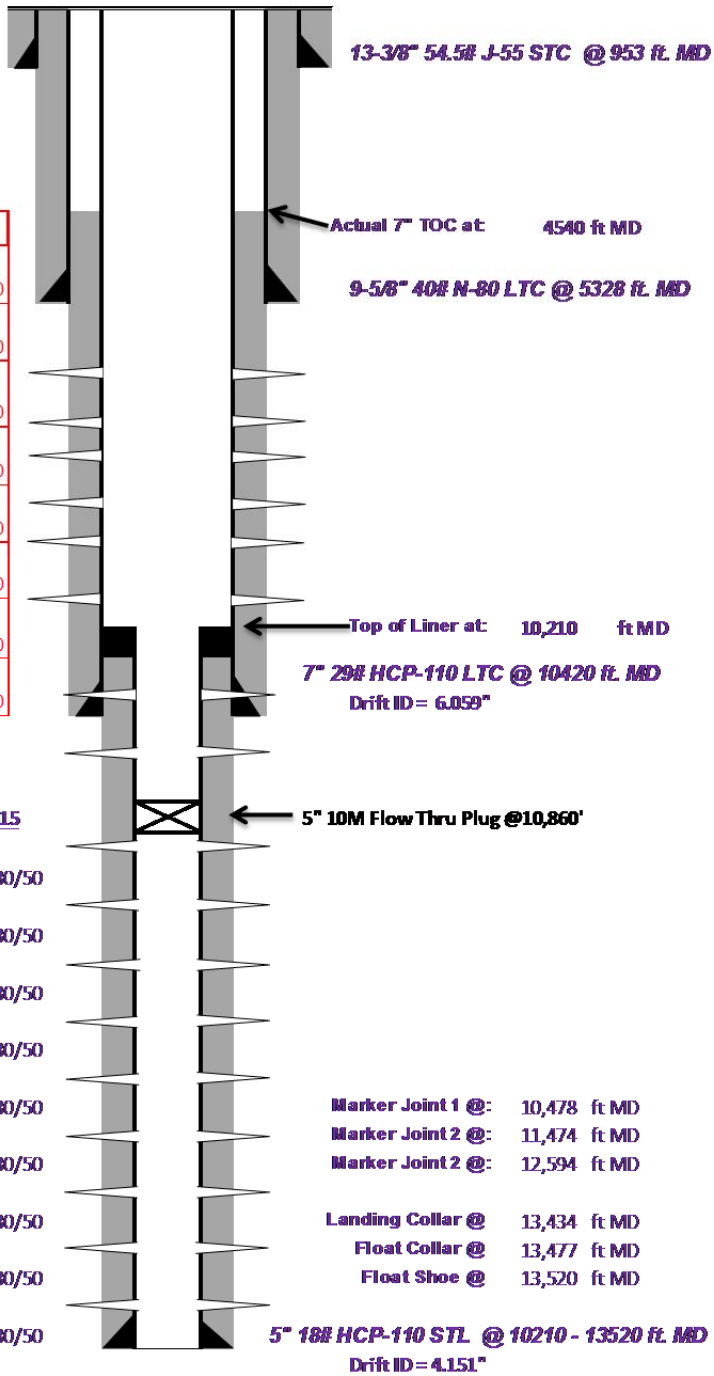
EP ENERGY

Current Wellbore Schematic

Well Name:	Lake Fork Ranch 4-19B3	Last Updated:	1/6/2017
Company Name:	EP Energy	By:	Fondren
Field, County, State:	Altamont, Duchesne, Utah	TD:	13,520
Surface Location:	Lat: 40° 17' 20.233N Long: 110° 15' 37.613W	API:	4301353063
Producing Zone(s):	Wasatch	AFE:	



2016 Recompletion - note all perfs are listed as OH
Stage 8: 8,683' - 8,928'(23'/69 holes) 6,000 gals HCl + 6,000# 100M + 125,000# 30/50
Stage 7: 8,972 - 9,180' (23'/69 holes) 6,000 gals HCl + 6,000# 100M + 125,000# 30/50
Stage 6: 9,510' - 9,275' (23'/69 holes) 6,000 gals HCl + 6,000# 100M + 125,000# 30/50
Stage 5: 9,550' - 9,760' (23'/69 holes) 6,000 gals HCl + 6,000# 100M + 125,000# 30/50
Stage 4: 9,842' - 10,040' (23'/69 holes) 6,000 gals HCl + 6,000# 100M + 120,000# 30/50
Stage 3: 10,086' - 10,204'(23'/69 holes) 4,000 gals HCl + 4,000# 100M + 70,000# 30/50
Stage 2: 10,234' - 10,438' (23'/69 holes) 6,000 gals HCl + 6,000# 100M + 115,000# 30/50
Stage 1: 10,488' - 10,775' (23'/69 holes) 7,000 gals HCl + 7,000# 100M + 150,000# 30/50

Initial Completion Perf Information- Feb 2015

Stage #9	10874 - 11129	23' /69 shots
	5000 gal HCL & 150000 lbs Power Prop 30/50	
Stage #8	11160 - 11413	23' /69 shots
	5000 gal HCL & 150000 lbs Power Prop 30/50	
Stage #7	11457 - 11681	23' /69 shots
	5000 gal HCL & 150000 lbs Power Prop 30/50	
Stage #6	11758 - 11976	23' /69 shots
	5000 gal HCL & 150000 lbs Power Prop 30/50	
Stage #5	12011 - 12248	23' /69 shots
	5000 gal HCL & 150000 lbs Power Prop 30/50	
Stage #4	12284 - 12520	22' /66 shots
	5000 gal HCL & 150000 lbs Power Prop 30/50	
Stage #3	12562 - 12800	22' /66 shots
	5000 gal HCL & 150000 lbs Power Prop 30/50	
Stage #2	12841 - 13100	23' /69 shots
	5000 gal HCL & 150000 lbs Power Prop 30/50	
Stage #1	13129 - 13417	21' /63 shots
	5000 gal HCL & 150000 lbs Power Prop 30/50	

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